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PLANNING
INFORMATION
REPORT
FISCAL YEAR 1983
WESTERN
MASSACHUSETTS

Contraction of 1888



LABOR AREA RESEARCH PUBLICATION

Massachusetts Division of Employment Security

job market research





THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
Charles F. Hurley Building
Government Center, Boston, MA. 02114

ANNUAL PLANNING INFORMATION REPORT

FISCAL YEAR 1983

WESTERN MASSACHUSETTS

Prepared by: William Liponis

Supervisor

Joseph Galvin

Labor Market Economist

Eugene J. Doody, Director

Helen B. Munzer, Director

Job Market Research

Dorothy R. Sullivan Chief Supervisor Labor Area Research



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Annual Planning Information Report Western Massachusetts Fiscal Year 1983

EXECUTIVE SUMMARY

Total nonagricultural employment in the two major labor market areas in the Western Region of Massachusetts grew steadily since 1970 except during the 1975 and current recessions.

 Both the Springfield-Chicopee-Holyoke LMA and the Pittsfield LMA experienced increases in nonmanufacturing employment, principally in the Finance, Insurance, and Real Estate and Services industry divisions.

In 1981 the unemployment rate for both the state and western region of the state was 6.4 percent. At a time in which the nation had a 7.6 percent unemployment rate, the Springfield area had 6.3 percent, and the Pittsfield area 6.9 percent.

• The projected unemployment rates for Fiscal Year 1983 are 6.7 percent in the Springfield-Chicopee-Holyoke LMA and 7.5 percent in the Pittsfield LMA.

In both major labor market areas of the western region there were an average of 11 or more applicants for every unfilled job opening registered at Job Matching Service Centers in March 1982 compared to a statewide average of 10 to 1.

- In the Springfield area there were over 30 machine trade, structural work and benchwork applicants for each opening.
- . In Pittsfield, processing, machine trades and structural work occupations each had over 60 applicants for each opening.

The occupational profile of job seekers at Job Matching Service Centers in Western Massachusetts differed from the statewide job seeker profile in March 1982.

- . In local offices of Northamyton, North Adams, Pittsfield, and Springfield, more than half the job seekers were white collar workers as was true for Massachusetts. Greenfield, Ware, and Holyoke had less than 49 percent white collar job seekers.
- In all Western Massachusetts JMS offices, the percent share of service job seekers was less than the 17.9 percent statewide share. With the exception of Ware, the Western Massachusetts JMS centers had a greater percentage of machine trade job seekers than the statewide seven percent share.

II. Description of Western Region

A. Definition of the Area

The Western Region of Massachusetts, for the purpose of this report, includes Hampden, Hampshire, Franklin and Berkshire Counties. The region includes the following Labor Market Areas: Springfield-Chicopee-Holyoke LMA; Pittsfield LMA; Greenfield LMA; Great Barrington LMA; and parts of the Athol LMA and the Ware LMA. It also includes nine towns that are not part of a specified Labor Market Area: Blanford, Chester, Tolland in Hampden County and Cummington, Goshen, Huntington, Middlefield, Plainville and Worthington in Hampshire County. The region is bounded by the state of Vermont and New Hampshire to the north, the state of New York to the west, the state of Connecticut to the south and Worcester County to the east.

Municipalities Listed Alphabetically by County Western Massachusetts

Berkshire County	Franklin County	Hampden County	Hampshire County
Adams Alford Becket Cheshire Clarksburg Dalton Egremont Florida Great Barrington Hancock Hinsdale Lanesborough Lee Lenox Monterey Mount Washington New Ashford New Marlborough North Adams	Franklin County Ashfield Bernardston Buckland Charlemont Colrain Conway Deerfield Erving Gill Greenfield Hawley Heath Leverett Leyden Monroe Montague New Salem Northfield Orange	Hampden County Agawam Blandford Brimfield Chester Chicopee East Longmeadow Granville Hampden Holland Holyoke Longmeadow Ludlow Monson Montgomery Palmer Russell Southwick Springfield Tolland	Amherst Belchertown Chesterfield Cummington Easthampton Goshen Granby Hadley Hatfield Huntington Middlefield Northampton Pelham Plainfield Southampton South Hadley Ware Westhampton
Lee Lenox Monterey Mount Washington New Ashford New Marlborough	Leverett Leyden Monroe Montague New Salem Northfield	Ludlow Monson Montgomery Palmer Russell Southwick Springfield	Pelham Plainfield Southempton South Hadley Ware
Savoy Sheffield Stockbridge Tyringham Washington	Wendell Whately		

B. Description of Labor Market Areas in the Western Region

1. Springfield-Chicopee-Holyoke Labor Area:

Definition of Area: The Labor Market Area is comprised of five cities and twenty-eight towns. The five cities are Springfield, Chicopee, Holyoke, Westfield all located in Hampden County, and Northampton in Hampshire County. The twenty-eight towns are Agawam, Brimfield, Fast Longmeadow, Granville, Hampden, Longmeadow, Ludlow, Monson, Montgomery, Palmer, Russell, Southwick, Wales, West Springfield, and Wilbraham in Hampden County; Amherst, Belchertown, Chesterfield, Easthampton, Granby, Hadley, Hatfield, Pelham, Southampton, South Hadley, Westhampton, and Williamsburg in Hampshire County; Warren in Worcester County.

Boundaries: Northwest: Chesterfield, Westhampton in Hampshire County. Southwest: Southampton, Montgomery, Russell, and Granville in Hampden County. Northeast: Pelham, Belchertown in Hampshire County. Southeast: Warren in Worcester County; Palmer, Brimfield and Wales in Hampden County. North: Amherst, Hadley, Haufield, and Williamsburg in Hampshire County. South: Southwick, Agawam, Longmeadow, East Longmeadow, Hampden and Monson in Hampden County (all along the Connecticut Border).

Land Area: The Springfield-Chicopee-Holyoke Labor Market Area based on the newly defined geographical boundaries has a total of 870.14 square miles of land area. The city of Westfield with a land area of 46.85 square miles is the largest among the five cities.

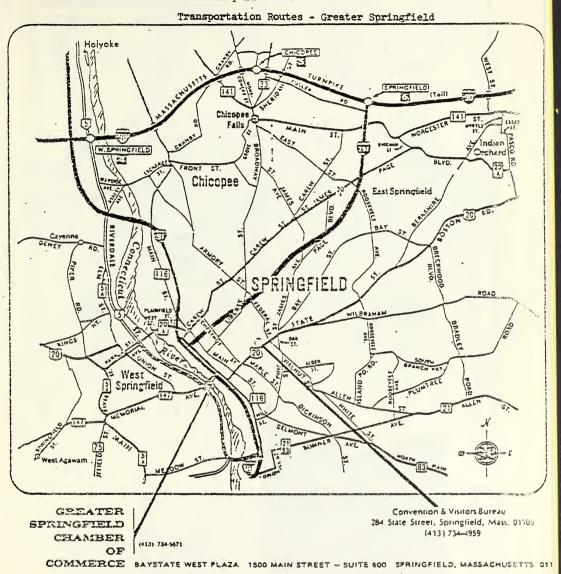
Other Geographical Features: The area has several mountain ranges of which the most famous are Mount Tom and the Berkshire Hills. The Labor Market Area has a very large river basin, known as the Lower Pioneer Valley enclosed on both sides by scenic mountains which constitutes an extremely important natural resource area of the state. The Connecticut River, the largest in New England, flows through the heart of the area from north to south, while two of the largest tributaries, the Chicopee and Westfield Rivers flow through eastern and western sections of the Labor Market Area. The city of Springfield has two surface reservoirs and Holyoke has an above ground reservoir. Chicopee is tied into the Quabbin Reservoir.

Commuting Patterns: Map I shows the highways linking the cities and towns in the Springfield-Chicopee-Holyoke LMA. Interstate 90 is the limited access east-west highway and Interstate 91 the north-south expressway.

Map II shows roads in more detail and how these roads tie into the highways running through the greater Springfield area.

Map I Transportation Routes - Connecticut Valley NEW HAMPSHIRE VERMONT LEGEND MASSACHUSETTS PVTA Service Area RIVEH Blow-up Regional Map ATHOL GREENFIELD DEERFIELD MONTAGUE SOUTH DEERFIE SUNDERLAND LEVERETT WILLIAMSBURG PELHAM NORTHAMPTON WESTHAFFTON BELCHERT SOUTH EASTHAMPTON GRANBY HEMPTON HOLYOK LUDLOW CHICOPEE WESTFIEL SPRINGELELD PRINGFIELD WILERAHAM EAST LONGMEADOW SOUTHWICK AGAWAM HAMPDEN LONGHEADOW MASSACHUSETTS CONNECTICUT ENFIELD

Map II



Hampshire County

Hampden County

Map IV

The southbound lane of Interstate 391 opened on November 10, 1982, completing a highway which puts Springfield, Holyoke and Chicopee downtowns only minutes away from each other by car.

The summary characteristics of the 1980 Decennial Census indicates that 19.4 percent of the workers in the Springfield-Chicopee-Holyoke SMSA (includes part of Connecticut) carpooled to work. Bus service is provided by Blue Line Bus, Bonanza, Greyhound, Peter Pan Bus, Trailways and Vermont transit. The Pioneer Valley Transit Authority (FVTA) serves a large area of Western Massachusetts including Springfield, West Springfield, Chicopee, Holyoke, Northampton, Amherst, Agawam, Belchertown, East Longmeadow, Easthampton, Hampden, Leverett, Longmeadow, Ludlow, South Hadley, Sunderland, Westfield, Wilbraham, and Williamsburg.

Rail service is provided by AMTRAK. Nearby is Bradley International Airport located in Windsor Locks, Connecticut. Peter Pan Bus goes from Bradley Airport to Springfield:

2. Pittsfield Labor Market Area

Definition of Area: The Pittsfield Labor Market Area (LMA) comprises two cities and twenty-two towns, all in Berkshire County. The cities are Pittsfield and North Adams; the towns are Adams, Becket, Cheshire, Clarksburg, Dalton, Florida, Hancock, Hinsdale, Lanesborough, Lee, Lenox, New Ashford, Otis, Peru, Richmond, Savoy, Stockbridge, Tyringham, Washington, West Stockbridge, Williamstown and Windsor. Prior to August 1975 the Pittsfield Standard Metropolitan Statistical Area consisted of the city of Pittsfield and the towns of Dalton, Lee, Lenox and Lanesborough only.

Boundaries: The labor area is bounded by the state of Vermont on the north and the state of New York on the west; in Massachusetts it is bounded on the south by the towns of Alford, Great Barrington, Monterey, and Sandisfield (all in Berkshire County) and on the east by the towns of Blandford and Chester (both in Hampden County), Middlefield, Worthington, Cummington and Plainfield (all in Hampshire County) and Hawley, Charlemont, Rowe, and Monroe (all in Franklin County).

Land Area: The Pittsfield Labor Area covers 663 square miles based on geographical boundaries determined by the Federal Committee on Standard Metropolitan Statistical Areas (SMSAs), chaired by the Office of Management and Budget.

the chain of mountains known as the Berkshires. Mount Greylock (elevation 3,491 feet), the highest mountain in the state, is located in the Taconic Range near Adams; the Hoosac Range is of lower altitude and located in the southern part of the area. The area also boasts a number of pitcturesque lakes and valleys and numerous mountain streams and rivers, the Housatonic being the largest.

CETA Area: All of Berkshire County, which includes the cities and towns within the Pittsfield LMA and also the Great Barrington LMA which is comprised of the towns of Alford, Egremont, Great Barrington, Monterey, Mount Washington, New Marlboro, Sandisfield, and Sheffield.

Commercial Transportation: The main transportation for Pittsfield Labor Market Area is furnished by commercial bus lines and several private charter lines. Pittsfield has a major bus terminal with all facilities, located in the heart of the city. The bus lines are Arrow, Bonaza, DuFour Brothers, Greyhound and Vermont Transit. The North Adams and Williamstown areas are serviced by DuFour Brothers, Englander and Vermont Transit.

The passenger railroad situation is limited with one AMTRAK train stop each way per day into the city of Pittsfield on the Boston/Worcester/Springfield/Albany/Chicago run. Conrail also services Pittsfield, and the Boston and Maine Railroad services North Adams.

There is no major airline that comes into the Pittsfield Labor Market Area (LMA). There is a Pittsfield Municipal Airport which is currently contracting for a local commercial airline to service the area, and particularly to fly people into New York City.

Passengers can also travel to Albany air terminal or Springfield's Bradley Airport for other connections. General Electric has an airplane which is large enough to have to use the municipal airport. There are several company planes also using this airport. Freight transportation is handled by 2 air carge services: Yankee Air Freight and Command Airways Inc.

Commuting: Both public transit and state highways provide access for passengers to the Pittsfield Labor Market Area. The Berkshire Regional Transit Authority (BRTA) which began operations in the mid-1970's to provide transportation services to residents of the central Berkshires has demonstrated strong and consistent rider-growth over the past 8 years. In 1975 the first operational year, the authority carried 258,246 passengers on its fixed routes.

In 1981 new transportation routes connected the existing system to the Adams, North Adams, Stockbridge, Great Barrington and Williamsburg. Recently, services have been established in the towns of Cheshire and Lanesboro. A further stimulus to public transportation is the increase in gasoline prices. As a result, of these factors, ridership has grown to 1,136,570 passengers in fiscal year 1981 and 1,371,811 in fiscal year 1982.

In Fiscal Year 1982, The Berkshire Regional Transit Authority (BRTA) began a connecting service between the Pittsfield and Central Berkshire areas up to the North Adams and Northern Berkshires area which provide a necessary link to help develop both communities.

The potential growth in Fiscal Year 1983 will be tempered by increase in fare rates between destinations, and also increase in rates between traveling zones yet the expected ridership should reach 1,400,000 mark which is almost six times the initial year passengers of 1975.

Public Roads: Tourism is a major development in the LMA which has unlimited natural beauty such as the fall foliage and many cultural events: i.e. (Tanglewood and Jacob's Pillar) and recreational activities (skiing, golf, tennis, etc.) to attract a greater number of persons into the area; therefore a great economic benefit to provide services in employment. Accessability is the key to this area which runs a number of first class and good roads. The Massachusetts Turnpike (East-West) has made an easy three-hour drive from Metropolitan New York and Boston areas. The development and construction of Interstate Route 91 (North-South) has opened up a greater flow of traffic from northern New Jersey, New York and Connecticut.

There is a need for better roads to the business and ski areas in the Pittsfield-North Adams area, particularly the road that leads to North Adams and into Vermont. The Northern Berkshire communities are almost isolated with the lack of roads. Route 2 £ (Mohawk Trail) (East-West) provides a link but it it a narrow with steep grades and curves which means difficulty in shipping raw materials and finished goods. Route 7 (north-south) is another link to the northern area but it is mostly a single lane highway which passes through cities and towns, resulting in slow and difficult travel.

3. Greenfield IMA: Consists of Ashfield, Bernardston, Buckland, Charlemont, Colrain, Conway, Deerfield, Gill, Greenfield, Hawley, Heath, Leverett, Leyden, Monroe, Montague, Northfield, Rowe, Shelburne, Shutesbury, Sunderland, and Whately all in Franklin County.

Commuting: The Greenfield Montague Transit Authority/
Franklin County Regional Transit Authority provides service in Greenfield
and Montague and between Amherst, Rowe, Charlmont, Buckland, Colrain,
Shelburn, Deerfield, Whately, Bernardston, Gill, Northfield, Sunderland,
and Leverett. Englander Coach and Vermont Transit stop at Greenfield.
The summary of Social and Employment Characteristics of the 1980 Census
indicates 21.6 percent of the workers are in the Franklin County carpool.

4. Athol LMA: Consists of Athol, Barre, Peterham, Phillipston, and Royalston in Worcester County and Erving, New Salem, Orange Warwick, and Wendell in Franklin County.

Transportation: Athol is serviced by Trailways from New York City and Haverhill and by Englander Coach from Williamstown and Boston/Greyhound. The section of the Athol Labor Market Area Within Franklin County is crossed East to West by Route 2 and North to South by Routes 78 and 202. With the exception of Warwick, all the towns in 1980 had a greater percent of workers who used a car, a truck, or a van to get to work than the state as a whole (over 87 percent versus the state's 80 percent). In addition, all the towns with the exception of Warwick had in 1980 a greater percent of workers who carpooled than workers in the state as a whole. The Decennial Census of 1980 indicated Warwick had 238 employed residents and 234 workers in Warwick.

5. Great Barrington: Consists of Alford, Egremont, Great
Barrington, Monterey, Mount Washington, New Marlborough, Sandisfield, and
Sheffield all in Berkshire County.

Transportation: The town of Great Barrington lies at the intersection of Route 7 (North to South) and Route 23 (East to West). It is serviced by three interstate carriers from New York: Arrow Line, Bonanza and Resort Bus Lines. Over eighty-three percent of the workers in the towns on the west slope of the Berkshires (Alford, Egremont, Great Barrington, and Mount Washington) used cars, trucks, or was to get to work in 1980.

With the exceptions of Great Barrington (22.2 percent) and New Marlborough (24.3 percent), carpooling in 1980 was less prevalent in the Great Barrington LMA than in the state as a whole (19.1 percent).

6. Ware LMA: Consists of Ware in Hampshire County and Hardwick, New Braintree, Cakham and West Brookfield in Worcester County.

Transportation: The Ware Labor Market Area's principal Routes 9,32, and 67 form a triangle. Just to the east of the labor market area, an improved Route 49 provides access to Route 90, the Massachusetts Turmpike, reducing the driving time to Boston and Springfield. The Peter Pan and Western Massachusetts Bus lines stop at Ware. With the exception of New Braintree, the percent of workers in the labor market area who used a car, truck, or van as a means of transportation to work in 1980 outpaced the state percent (over 85 percent versus 80 percent).

Again, with the exception of New Braintree, the percent of workers in carpools in 1980 in the labor market area outpaced the percent of total workers in Massachusetts (over 22 percent versus 19 percent).

7. Balance of State: The following towns in the Western Region are not part of any specified labor market area: Blandford, Chester, Tolland in Hampden County and Cummington, Goshen, Huntington, Middlefield, Plainville and Worthington in Hampshire County.

C. The Job Matching Service:

The seven Job Matching Service Centers in the Western Region act as labor exchanges in which local job service offices match worker skills and interests with employer job openings. Among the functions involved in this process are:

Interviewing jobseekers and identifying their job skills, knowledge and interests.

Listing Job Openings received from employers.

Referring applicants who meet the hiring requirements of the jobs listed.

Counseling and testing jobseekers who are not easily placed to assist them in obtaining suitable employment.

In addition to labor exchange activities under the Wagner-Peyser Act of 1933, it is involved in the administration of 25 other laws, 17 Executive orders, and 16 agreements with various Federal agencies, requiring the performance of specific duties relating to specifically targeted applicant groups. Among these groups are Vietnam-era veterans, the handicapped, older workers, youth, minorities, recipients of AFDC and food stamps, and persons eligible for ETA activities.

Since the inception of CETA in 1973 with its many services for individuals with special barriers to employment, the basic role of the job service as a public labor exchange serving job-ready applicants and employers with job openings has been reemphasized. Today the role of job matching can be described as one of being devoted to increasing the quantity and quality of placement, improving job search management, developing new tools such as computerized job matching, and building better relationships with private sector employers.

The Division of Employment Security's (DES) local Job Matching and Job Insurance offices in this four county area are located in Chicopee, Greenfield, Holyoke, North Adams, Northampton, Pittsfield and Springfield.

For the purpose of cross reference, the following lists are included so that the reader may locate the labor market area CETA Prime Sponsor jurisdictions and the Local Job Matching and Job Insurance Centers for municipalities in the Western Region. Likewise, the municipalities included in the labor market areas, CETA areas, Job Matching and Job Insurance centers are listed.

Chicopee

Chicopee

Westover Air Force Base

Greenfield Ashfield

Rernardston Buckfield Charlemont Colrain Convay Deerfield Gill Greenfield Hawley Heath Leverett Levden Montague Northfield Rowe Shelburne Shutesbury

Whately Holyoke

Granby Holyoke South Hadley

Sunderland

North Adams

Adams
Clarksburg
Florida
Monroe
Monroe Bridge
New Ashford
North Adams
Savoy
Williamstown

Northampton

Amherst
Chesterfield
Cummington
Easthampton
Goshen
Hadley
Hatfield
Northampton
Pelham
Plainfield
Southampton
Westhampton
Williamsburg
Worthington

Pittsfield

Alford
Becket
Cheshire
Dalton'
Egremont
Great Barrington
Hancock
Hinsdale
Housantonic
Lanesboro
Lee

Monterey Mount Washington New Marlboro

Lenox

Otis
Peru
Pittsfield
Richmond
Sandisfield
Stockbridge
Tyringham
Washington
West Stockbridge
Windsor

Springfield

Agawam

Belchertown
Blanford
Brimfield
Brookfield
Chester
East Brookfield
East Longmeadow
Hardwick
Holland
Ludlow
Middlefield
Monson
Montgomery
New Braintree
North Brookfield

Oakham
Palmer
Russell
Southwick
Springfield
Tolland
Wales
Ware

West Brookfield West Springfield Westfield

Muncipalities with Job Matching Centers That Serve Them

Municipalities Adams Agawam Agawam Ashried Asherst Northampton Becket Belchertown Bernardston Bringfield Brockfield Bringfield Chester Bringfield Balance of State Bringfield Balance of State Bringfield Bringf			
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Hardwick Springfield Itinerant Ware Hatfield Northampton Springfield-Chicopee-Holyoke Hawley Greenfield Greenfield Heath Greenfield Greenfield Hinsdale Pittsfield Pittsfield Holland Springfield Southbridge	Hampden	Apringfield	Springfield-Chicopec-Holyake
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Hawley Greenfield Greenfield Heath Greenfield Greenfield Hinsdale Pittsfield Pittsfield Holland Springfield Southbridge	Hardwick	Springfield Itinerant	Ware
Heath Greenfield Greenfield Hinsdale Pittsfield Pittsfield Holland Springfield Southbridge	Hatfield		Springfield-Chicopee-Holyoke
Hinsdale Pittsfield Pittsfield Holland Springfield Southbridge	Hawley	Greenfield	
Holland Springfield Southbridge	Heath	Greenfield	Greenfield
	Hinsdale	Pittsfield	Pittsfield
	Holland	Springfield	Southbridge
	Huntington		Balance of State

Municipalities with Job Matching Centers That Serve Them (continued)

Municipalities	Centers	Labor Market Area
Lanesborough	Pittsfield	Pittsfield
Lee	Pittsfield	Pittsfield
Lenox	Pittsfield	Pittsfield
Leverett	Greenfield	Greenfield
Leyden	Greenfield	Greenfield
Longmeadow	Springfield	Springfield-Chicopee-Holyoke
Ludlow	Springfield	Springfield-Chicopee-Holyoke
	-10	phr mer rera-currebee-uothave
Middlefield	Springfield	Balance of State
Monroe	North Adams	Greenfield
Monson	Springfield	Springfield-Chicopee-Holyoke
Montague	Greenfield	Greenfield
Monterey	Pittsfield	Great Barrington
Montgomery	Springfield	Springfield-Chicopee-Holyoke
Mount Washington	Pittsfield	Great Barrington
New Ashford	North Adams	Pittsfield
New Braintree	Springfield Itinerant	Ware
New Marlboro	Pittsfield	Great Barrington
North Adams	North Adams	Pittsfield
North Brookfield	Springfield Itinerant	Worcester
Northampton	Northampton	Springfield-Chicopee-Holycke
Northfield	Greenfield	Greenfield
Oakham	Springfield Itinerant	Ware
Palmer	Count world all d	Springfield-Chicopee-Holyoke
Pelham	Springfield Northampton	Springfield-Chicopee-Holyoke
Peru	Pittsfield	Pittsfield
Pittsfield	Pittsfield	Pittsfield
Plainfield		Balance of State
Plaintleid	Northampton	Balance of State
Richmond	Pittsfield	Pittsfield
Rowe	Greenfield	Greenfield
Russell	Springfield	Springfield-Chicopee-Holyoke
Sandisfield	Pittsfield	Great Barrington
Savoy	North Adams	Pittsfield
Sheffield	Pittsfield	Great Barrington
Shelburne	Greenfield	Greenfield
Shutesbury	Greenfield	Greenfield
Southampton	Northampton	Springfield-Chicopee-Holyoke
Southwick	Springfield	Springfield-Chicopee-Holyoke
Springfield	Springfield	Springfield-Chicopee-Holyoke
Stockbridge	Pittsfield	Pittsfield
Sunderland	Greenfield	Greenfield
	2- 3-me	

Municipalities with Job Matching Centers That Serve Them (continued)

Municipalities	Centers	Labor Market Area
Tolland	Springfield	Balance of State
Tyringham	Pittsfield	Pittsfield
Wales	Springfield	Springfield-Chicopee-Holyoke
Ware Warren	Springfield Itinerant Springfield Itinerant	Ware Springfield-Chicopee-Holyoke
Washington	Pittsfield	Pittsfield
West Brookfield West Stockbridge	Springfield Itinerant Pittsfield	Ware Pittsfield
Westfield	Springfield	Springfield-Chicopee-Holyoke
Westhampton (Westover Air Base)	Northampton Chicopee	Springfield-Chicopee-Holyoke Springfield-Chicopee-Holyoke
Whately	· Greenfield	Greenfield
Wilbraham	Springfield	Springfield-Chicopee-Holyoke
Williamsburg Williamstown	North Adams	Springfield-Chicopee-Holyoke Pittsfield
Windsor	Pittsfield	Pittsfield
Worthington	Northampton	Balance of State

D. Prime Sponsors in the Western Region and Municipalities Served (as of November 9, 1981).

Springfield

Monson Agawam Blandford Montgomery Brimfield Palmer Chester Russell Chicopee Southwick East Longmeadow Springfield Granville Wales Holland Westfield Holyoke West Springfield Longmeadow Wilbraham

Ludlow

Pittsfield

Adams New Ashford Alford New Marlborough Becket North Adams Cheshire Otis Clarksburg Perm Dalton Pittsfield Egremont Richmond Florida Sandisfield Great Barrington Savoy Hancock Sheffield Hinsdale Stockbridge Lanesborough Tyringham Lee Washington Lenox West Stockbridge Monterey Williamstown Mount Washington Windsor

Balance of State - Franklin/Hampshire Subgrantee

Amherst
Ashfield
Athol
Belchertown
Bernardston
Buckland
Charlemont
Chesterfield
Colrain
Conway
Cummington
Deerfield
Easthampton
Erving
Gill

Goshen

Granby

Greenfield Hadley Hatfield Hawley Heath Huntington Leverett Leyden Middlefield Monroe Montague New Salem Northfield Northampton Orange Pelham Petersham

Phillipston Plainfield Rowe Royalston Shelburne Shutesbury Southampton South Hadley Sunderland Ware Warwick Wendell Westbampton Whately Williamsburg Worthington

E. Eligible Labor Surplus Municipalities in the Western Region (by County) October 1982.

Berkshire County Hampden County Adams Brimfield Alford Granville Florida Holland New Ashford Talland New Marlborough North Adams Hampshire County Savoy Tyringham Cummington Middlefield Franklin County Plainville

Ashfield Leyden Monroe Montague Orange

F. Population and Labor Force Characteristics and Trends

The population and labor force projections for FY 1983 for the Springfield LMA, Pittsfield LMA, Pittsfield Consortium and Hampden County Consortium were developed by the Lawrence Berkely Laboratory at the University of California for the United States Department of Labor. Current projections should not be used in conjunction with or compared to prior years, since previous projections are not adjusted for corrections or updates.

Tables 1 through 8 give breakouts of projected populations and labor force characteristics including labor force participation rates of residents in each of the above-mentioned areas by age, sex and race.

Table 1
Population and Labor Force Composition Projections
for Fiscal Year 1983
Springfield-Chico-ee-Holyoke LMA

		•				
Age Category	Population	Labor Force	Employ- ment	Unemploy- ment	Unemploy- ment Rate	Labor Force Participation Rate
16 Years & Older	483,159	294,623	274,883	19,740	6.7	61.0
White Males 16-17 18-19 20-24 25-34 35-44 45-64 65 plus	201,757 9,194 9,194 22,950 43,914 34,537 52,405 29,563	143,046 5,011 4,664 16,180 39,215 31,118 41,448 5,410	134,914 4,332 3,858 14,424 37,603 30,253 39,559 4,885	8,132 679 806 1,756 1,612 865 1,889 525	5.7 13.6 17.3 10.9 4.1 2.8 4.6 9.7	70.9 54.5 50.8 70.5 89.3 90.1 79.2 18.3
White Females 16-17 18-19 20-24 25-34 35-44 45-64 65 plus	235,271 9,367 9,367 25,535 47,179 31,547 61,659 50,617	125,164 6,023 4,739 16,930 31,846 24,039 37,487 4,100	117,154 5,057 4,292 15,751 30,617 23,091 34,622 3,724	8,010 966 447 1,179 1,229 948 2,865 376	6.4 16.0 9.4 7.0 3.9 7.6 9.2	53.2 64.3 50.6 66.3 67.5 76.2 60.8 3.1
Nonwhite Males 16-17 18-19 20-24 25-34 35-44 45-64 65 plus	20,274 786 786 2,526 4,633 3,168 7,118 1,257	14,131 246 348 2,016 3,521 2,363 5,456 181	12,167 90 168 1,478 2,974 2,217 5,094 156	1,964 166 180 538 547 146 362	13.9 67.5 51.7 26.7 15.5 6.2 6.6 13.8	69.7 31.3 39.3 79.8 76.0 74.6 75.7
Nonwhite Females 16-17 18-19 20-24 25-34 35-44 45-64 65 plus	25,857 1,352 1,352 2,453 5,121 4,220 9,097 2,262	12,282 196 371 1,300 2,719 2,764 4,647 285	10,634 124 250 857 2,285 2,339 4,535 258	1,634 72 121 443 434 425 112 27	13.3 36.7 32.6 34.1 16.0 15.4 2.4 9.5	47.5 14.5 39.0 53.0 53.1 65.5 47.4 12.6

Source: Lawrence Berkeley Laboratory and Labor Area Research Department
Note: For all areas, population counts by race (white, black, and other) from
the 1980 Census are used as population control totals for 1980. Since there are
major differences in response between the 1970 Census and 1980 Census, the racial
breakdowns for the two years are not comparable.

Table 2

Population and Labor Force Composition Projections
 Fiscal Year 1983
 Hampden County Consortium

Category	Population	Labor Force	Employ- ment	Unemploy- ment	Unemploy. Rate	Labor Force Participation Rate
TOTAL	349,376	216,250	201,445	14,805	6.8	61.9
White Males 16-17 18-19 20-24 25-34 35-44 45-64 65 plus	142,969 8,098 8,112 18,995 24,522 19,444 43,169 20,629	104,923 4,883 4,478 14,949 22,119 17,480 35,960 5,054	99,047 4,318 3,809 13,468 21,280 16,835 34,708 4,629	5,876 565 669 1,481 839 645 1,252	5.6 11.6 14.9 9.9 3.8 3.7 3.5 8.4	73.4 60.3 55.2 78.7 90.2 89.9 83.3 24.5
White Females 16-17 18-19 20-24 25-34 35-44 45-64 65 plus	164,412 7,697 7.872 18,605 26,520 22,022 48,286 33,410	86,863 4,949 4,503 12,447 17,185 16,318 28,855 2,606	81,115 4,246 4,125 11,650 16,154 15,698 26,863 2,379	5,748 703 378 797 1,031 620 1,992 227	6.6 14.2 8.4 6.4 6.0 3.8 6.9 8.7	52.9 64.3 57.2 66.9 64.8 74.1 59.8
Nonwhite Males 16-17 18-19 20-24 25-34 35-44 45-64 65 plus	17,506 618 618 2,030 3,989 3,032 6,168 1,051	12,342 235 335 1,543 3,339 2,256 4,489 145	10,688 75 165 1,114 2,888 2,100 4,227 119	1,654 160 170 429 451 156 262 26	13.4 68.1 50.7 27.8 13.5 6.9 5.8 17.9	70.5 38.0 54.2 76.0 83.7 74.4 73.0 13.8
Norwhite Females 16-17 18-19 20-24 25-34 5-44 1-64 plus	24,489 1,130 1,125 2,127 4,993 4,004 8,970 2,140	12,122 173 323 1,423 2,681 2,675 4,588 259	10,595 103 212 1,009 2,271 2,287 4,478 235	1,527 70 111 414 410 388 110 24	12.6 40.5 34.4 29.2 15.3 14.5 2.4 9.3	49.5 15.3 28.7 66.9 53.7 66.8 51.2 12.1

Lawrence Berkeley Laboratory and Labor Area Research Department

Table 3

Population and Labor Force Composition Projections
Pittsfield LMA
Fiscal Year 1983

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	Population	Labor Force	Employ- ment	Unemploy- ment	Unemploy- ment Rate	Labor Force Participation Rate
<u>Total</u>	130,471	69,973	64,725	5,248	7.5	70.0
White Male 0-15 16-19 20-24 25-34 35-44 45-64 65 plus	61,216 15,413 4,925 6,281 11,719 8,475 9,669 4,734	37,656 2,907 5,474 11,485 8,306 8,606 878	34,948 2,510 5,124 10,778 7,857 8,047 626	2,708 397 350 707 443 559 252	7.2 13.7 6.4 6.2 5.3 6.5 28.7	82.2 59.0 87.2 98.0 98.0 89.0
White Female 0-15 16-19 20-24 25-34 35-44 45-64 55 plus	66,400 14,287 4,589 6,145 11,209 8,918 11,236 10,016	31,218 3,146 4,755 7,818 7,597 7,140 762	28,782 2,719 4,433 7,445 7,322 6,456 407	2,436 427 322 373 275 684 355	7.8 13.6 6.8 4.8 3.6 9.6 46.6	59.9 68.6 77.4 69.9 85.2 63.6 7.6
Nonwhite Male 0-15 16-19 20-24 25-34 35-44 45-64 65 plus	1,299 373 82 82 139 112 323 188	588 34 57 134 111 247	569 28 55 131 108 244	19 6 2 3 3 3	17.6 3.5 2.2 2.7 1.2 40.0	62.1 41.5 69.5 96.4 99.1 76.5 2.7
Nonwhite Female 0-15 16-19 20-24 25-34 35-44 45-64 65 plus	1,556 436 99 133 257 221 301 109	511 35 56 141 137 130 12	18 48 129 125 100	85 17 8 12 12 26 10	16.6 48.6 12.5 8.5 8.8 15.4 58.3	45.6 35.4 42.1 54.9 62.0 43.2 11.0

Table 4

Population and Labor Force Composition Projections
Pittsfield Consortium
Fiscal Year 1983

Category	Population	Labor Force	Employ- ment	Unemploy- ment	Unemploy- · ment Rate	Labor Force Participation Rate
Total	145,110	81,241	75,747	6,094	7.5	70.0
White Male 0-15 16-19 20-24 25-34 35-44 45-64 65 plus	67,962 14,675 4,960 6,323 11,440 8,371 14,039 8,154	44,133 3,176 6,104 11,212 8,203 13,691 1,747	40,989 2,715 5,698 10,391 7,689 12,042 1,454	3,144 461 406 821 514 649 293	7.1 14.5 6.7 7.3 6.3 4.7 16.8	82.8 64.0 96.5 98.0 98.0 97.5 21.4
White Female 0-15 16-19 20-24 25-34 35-44 45-64 65 plus	73,840 13,403 4,529 5,739 9,890 8,640 16,774 14,865	35,694 3,282 4,709 7,341 7,834 11,290 1,238	32,909 2,793 4,341 6,915 7,520 10,408 832	2,785 489 368° 426 314 782 406	7.8 14.9 7.8 5.8 4.0 6.9 32.8	59.1 72.5 82.1 74.2 90.7 67.3 8.3
Nonwhite Male 0-15 16-19 20-24 25-34 35-44 45-64 65 plus	1,490 492 111 115 215 179 227 151	736 55 91 208 179 191	689 39 86 201 172 184 7	47 16 5 7 7 7	6.4 29.1 5.5 3.4 3.9 3.7 41.7	73.7 49.5 79.1 96.7 100.0 84.1 7.9
Nonwhite Female 0-15 16-19 20-24 25-34 35-44 45-64 65 plus	1,818 480 100 138 280 265 362 193	678 53 75 184 198 142 26	560 29 64 167 181 107	118 24 11 17 17 35 14	17.4 45.3 14.7 9.2 8.6 24.6 53.8	50.7 53.0 54.3 65.7 74.7 39.2 13.5

Table 5

Springfield-Chicopee-Holyoke Labor Market Area Labor Force Composition Projected Change

1970 - 1983

		Water Jacob		
Race and Age	April 1, 1970	July 1, 1983	1970 Number	to 1983 Percent
TOTAL	234,135	294,623	60,488	25.8
White Males 16-17 18-19 20-24 25-34 35-44 45-64 65+	134,426 4,329 4,913 15,037 26,792 26,601 50,836 5,918	143,046 5,011 4,664 16,180 39,215 31,118 41,448 5,410	8,620 682 249 1,143 12,423 4,517 - 9,388 - 508	6.4 15.8 - 5.1 7.6 46.4 17.0 - 18.5 - 8.6
White Females 16-17 18-19 20-24 25-34 35-44 45-64 65+	91,069 3,555 5,672 13,693 12,596 16,053 35,774 3,726	125,164 6,023 4,739 16,930 31,846 24,039 37,487 4,100	34,095 2,468 - 933 3,237 19,250 7,986 1,713 374	37.4 69.4 - 16.4 23.6 152.8 49.7 4.8
Nonwhite Males 16-17 18-19 20-24 25-34 35-44 45-64 65+	4,743 81 218 645 1,411 1,050 1,221	14,131 246 348 2,016 3,521 2,363 5,456 181	9,388 165 130 1,371 2,110 1,313 4,235 64	197.9 203.7 59.6 212.6 149.5 125.0 346.8 54.7
Nonwhite Females 16-17 18-19 20-24 25-34 35-44 45-64 65+	3,897 88 267 594 1,004 1,027 806 111	12,282 196 371 1,300 2,719 2,764 4,647 285	8,385 108 104 706 1,715 1,737 3,841	215.2 122.7 39.0 118.8 170.8 169.1 476.6 156.8

Table 6

Hampden Consortium

Labor Force Composition Projected Change

1970 - 1983

			Chan	ge
lace and Age	April 1, 1970	July 1, 1983	1970 to Number	1983 Percent
TOTAL	188,442	216,351	27,909	14.8
White Males 16-17 18-19 20-24 25-34 35-44 45-64 65+	108,490 3,560 3,573 11,143 21,530 22,013 41,876 4,795	104,923 4,883 4,478 14,949 22,119 17,480 35,960 5,054	- 3,567 1,323 905 3,806 589 - 4,533	- 3.3 37.2 25.3 34.2 2.7 - 20.6 - 14.1
White Females 16-17 18-19 20-24 25-34 35-44 45-64 65+	71,898 2,924 4,002 9,614 9,987 12,920 29,471 2,980	86,963 4,949 4,403 12,347 17,185 16,418 29,055 2,606	15,065 2,025 401 2,733 7,198 3,498 - 374	21.0 69.3 10.0 28.4 72.1 27.1 - 1.4 - 12.6
Nonwhite Males 16-17 18-19 20-24 25-34 35-44 45-64 65+	4,429 80 177 563 1,296 1,027 1,174	12,343 235 335 1,543 3,369 2,256 4,459 146	7,914 155 158 980 2,073 1,229 3,285 34	178.7 193.8 89.3 174.1 156.0 119.7 279.8 30.4
Nonwhite Females 16-17 18-19 20-24 25-34 35-44 45-64 65+	3,625 88 231 504 948 986 779 89	12,122 173 323 1,423 2,681 2,675 4,588 759	8,497 85 92 919 1,733 1,689 3,809 170	234.4 96.6 39.8 182.3 182.8 171.3 489.0 191.0

NOTE: For all areas, population counts by race (white, black, and other) from the 1980 Census are used as population control totals for 1980. Since there are major differences in response, between the 1970 Census and 1980 Census, the racial breakdowns for the two years are not comparable.

Table 7
Pittsfield Labor Market Area
Labor Force Projected Change
1970 - 1983

		* 1 . 1		nange
Total and Ass	April 1,	July 1,		to 1983
Race and Age	1970	1983	Number	Percent
TOTAL	61,681	69,973	8,292	13.4
White Males	37,351	37,656	305	.8
16-17	1,065	1,289	224	21.0
18-19 20-24	1,353	1,618	265	19.6 40.2
25-34	3,904	5,474 11,485	1,570 4,102	55.6
35 <u>-</u> 44	7,383 7,401	8,306	905	12.2
45-64	14,478	8,606	- 5.872	- 40.6
65+	1,767	878	- 889	- 50.3
97.	2,101	0,0	_ 30)	-)0.)
White Females	23,631	31,218	7,587	32.1
16-17	863	1,453	590	68.3
18-19	1,172	1,693	521	44.5
20-24	3,032	4,755	1,723	56.8
25-34	3,183	7,818	4,635	145.6
35-44	4,588	7,597	3,009	65.6
45-64	9,811	7,140	- 2,671	- 27.2
65+	982	762	- 220	- 22.4
Nonwhite Males	420	588	168	40.C
16-17	5	8	3	60.0
18-19	14	26	12	85.7
20-24	65	57	- 8	- 12.3
25-34	89	134	45	50.6
35-44	83	111	28	33.7
45.64	158	247	89	56.3
65+	6	5	- 1	- 16.7
Nonwhite Females	279	511	232	83,2
16–17	9	22	13	144.4
18–19	17	12	- 4	- 23.5
20-24	25	56	31	124.0
25-34	71	141	70	98.6
35_44	72	137	65	90.3
45-64	69	130	61	88.4
65+	16	12	- 4	- 25.0

Table 8

Pittsfield Consortium

Labor Force Projected Change

1970 - 1983

			Change		
Race and Age	April 1,	July 1,	1970	to 1983	
	1970	1983	Number	Percent	
TOTAL	61,778	81,241	19,463	31.5	
White Males 16-17 18-19 20-24 25-34 35-44 45-64 65+	37,437	44,133	6,696	17.9	
	1,065	1,383	318	29.9	
	1,362	1,793	431	31.6	
	3,944	6,104	2,160	54.8	
	7,404	11,212	3,808	51.4	
	7,413	8,203	790	10.7	
	14,482	13,691	791	- 5.7	
	1,767	1,747	20	- 1.1	
White Females 16-17 18-19 20-24 25-34 35-44 45-64 65+	23,637	35,694	12,027	51.0	
	863	1,515	652	75.6	
	1,173	1,767	594	50.6	
	3,034	4,709	1,675	55.2	
	3,184	7,341	4,157	130.6	
	4,589	7,834	3,245	70.7	
	9,812	11,290	1,478	15.1	
	982	1,238	256	26.1	
Nonwhite Males 16-17 18-19 20-24 25-34 35-44 45-64 65+	425 5 14 67 90 85 158	736 10 45 91 208 179 91	311 5 31 24 118 94 33 6	73.2 100.0 221.4 35.8 131.1 110.6 20.9 100.0	
Nonwhite Females 16-17 18-19 20-24 25-34 35-44 45-64 65+	279	678	399	143.0	
	9	38	29	322.2	
	17	15	- 2	- 11.8	
	25	75	50	200.0	
	71	184	113	159.2	
	72	198	126	175.0	
	69	142	73	105.8	
	16	26	10	62.5	

Table 9

Population by County and Race
Western Massachusetts, 1980

Region and Counties	Population Total	White	Nonwhite
Total Western Region	791,258	736,219	55,039
Berkshire County	145,110	142,064	3,046
Franklin County	64,317	63,541	776
Hampden County	443,018	396,175	46,843
Hampshire County	138,813	134,439	4,374

Source: PHC-V-83, 1980 Census of Population and Housing

Table 10 Labor Force Data* 1979, 1980, and 1981 Annual Averages Springfield-Chicopee-Holyoke LMA

	Labor			Rate of
Date	Force	Employment ·	Unemployment	Unemployment
1979				
January	275.6	258.1	17.5	6.3
February	276.5	261.0	15.5	5.6
March	276.6	259.5	17.1	6.2
April	272.6	259.8	12.8	4.7
May	271.0	259.5	11.5	4.3
June	274.3	262.3	12.0	4.4
		267.2		4.0
July	278.5		11.3	
August	277.4	266.1	11.3	4.1
September	275.7	261.3	14.4	5.2
October	266.4	256.8	9.6	3.6
November	267.1	256.7	10.4	3.9
December	274.0	258.9	15.1	5.5
Annual Averages	273.8	260.6	13.2	4.8
1980				
January	267.5	252.8	14.7	5.5
February	268.2	254.9	13.3	5.0
March	269.3	256.4	12.9	4.8
April	269.8	256.7	13.1	4.9
-	271.1	254.4	16.7	
May		-		6.2 6.4
June	270.4	253.2	17.2	
July	274.2	258.3	15.9	5.8
August	276.9	260.1	16.8	6.1
September	275.7	259.9	15.8	5.7
October	281.3	265.3	16.0	5.7
November	279.4	266.7	12.7	4.5
December	280.1	267.2	12.9	4.6
Annual Averages	273.7	258.9	14.8	5.5
1981				
January	273.8	256.0	17.8	6.5
February	279.1	261.4	17.7	6.3
March	276.9	260.1	16.8	6.1
April	269.5	255.8	13.7	5.1
May	272.1	256.9	15.2	5.4
June	275.2	288.5	16.7	5.6 6.1
July	282.3	263.8	18.5	6.5
August	282.9	263.2	19.7	7.0
September	278.8	261.2	17.6	
October	288.4	269.1		6.3 6.7
November			19.3 18.0	6.2
November December	290.4	2 72. 4 268 . 8	21.5	7.4
Annual Averages	_	262.3	17.7	6.3

^{*} In Thousands

Source: LAUS

Table 11 Civilian Labor Force Springfield-Chicopee-Holyoke LMA 1981-1982 (by month)

	Labor			Unemployment
Period 1981	Force	Employment	Unemployment	Rate
1901				
January	273,810	256,050	17,760	6.5
February	279,110	261,430	17,680	6.3
March	276,960	260,140	16,820	6.1
April	269,530	255,850	13,680	5.1
May	272,060	256,870	15,190	5.6
June	275,210	258,520	16,690	6.1
July	282,270	263,820	18,450	6.5
August	282,900	263,210	19,690	7.0
September	278,770	261,190	17,580	6.3
October	288,420	269,150	19,270	6.7
November	290,440	272,400	18,040	6.2
December	290,330	268,820	21,510	7.4
Annual Average	279,980	262,290	17,690	6.3
1982				
January	294,300	271,200	23,100	7.9
February	293,300	269,100	24,200	8.2
March	293,700	271,400	22,300	7.6
April	288,500	265,900	22,600	7.8
Four Month Average	292,450	269,400	23,050	7.9

Rounded

Source: Labor Area Unemployment Statistics

Table 12
Pittsfield LMA
Civilian Labor Force, Total Employment, Total
Unemployment and Unemployment Rates
1980

Month	Civilian Labor Force	Total Employment	Total Unemployment	Unemployment Percent of Labor Force
January	68,633	64,017	4,616	6.7
February	68,173	63,830	4,343	6.4
March	67,296	63,289	4,007	6.0
April	67,020	62,942	4,078	6.1
May	67,843	63,510	4,333	6.4
June	69,039	63,989	5,050	7.3
July	72,630	68,241	4,389	6.0
August	72,565	68,312	4,253	5.9
September	68,344	64,323	4,011	5.9
October	68,471	64,515	3,956	5.8
November	67,706	64,365	3,341	4.9
December	68,912	64,582	4,330	6.3
Annual Average	68,886	64,600	4,226	6.1

Table 13 Civilian Labor Force Pittsfield LMA 1981-1982 (by Month)

Period	Labor Force	Employment	Unemployment	Unemployment Rate
1981				
Jamuary	67,090	62,610	4,480	6.7
February	67,730	63,010	4,720	7.0
March	66,860	62.400	4,460	6.7
April	65,210	61,680	3,580	5.5
May	65,960	61,970	3,990	6.0
June	68,320	64,000	4,320	6.3
July	71.610	66,820	4,790	6.7
August	71,620	66,340	5,280	7.4
September	67,720	62,700	5,020	7.4
October	68.210	63,300	4,910	7.2
November	68,470	63,830	4,640	6.8
December	69,240	62,770	6,470	9.3
Annual Average	68,170	63,450	4,720	6.9
1982				
January	68,360	62,340	6,020	8.8
February	67,000	61.270	5,720	8.5
March	66,910	61,200	5,710	8.5
April	66,810	60,610	6.200	9.3
Four Month Average	67,270	61,355	5,915	8.8
			4.	

Source: Massachusetts Division of Employment Security Labor Area Unemployment Statistics Program

Figures may not add due to rounding.

Table 14
Civilian Labor Force, Labor Market Areas and Counties, Western Massachusetts
1981 Annual Averages

Area	Civilian Labor Force	Employment	Unemploy- ment	Unemployment Rate
Major Labor Market Areas				
Pittsfield LMA	68,170	63,450	4,720	6.9
Springfield-Chicopee- Holyoke LMA	279,984	262,288	17,696	6.3
Minor Labor Market Areas				
Athol LMA Great Barrington LMA Greenfield LMA Ware LMA	11,318 10,261 29,028 6,418	10,547 9,805 27,356 5,854	771 456 1,672 564	6.8 4.4 5.8 8.8
Western Massachusetts Counties Total	396,191	370,888	25,303	6.4
Berkshire County Franklin County Hampden County Hampshire County	78.430 32,642 225,637 59,482	73,254 30,824 210,673 56,137	5,176 1,818 14,964 3,345	6.6 5.6 6.6 5.6
Massachusetts	2,961,000	2,773,000	188,000	6.4

Source: Labor Area Unemployment Statistics

G. ASSUMPTIONS AND PROJECTIONS FOR THE ECONOMY

COMMONWEALTH OF MASSACHUSETTS

FEDERAL FISCAL YEAR 1983 (FFY'83)

The Job Market Research staff of the Division of Employment Security gathers data, analyzes and reports on changes in the state's employment and unemployment situation. Even utilizing the most current data available together with computer models of the state and national economies, it is difficult to project future economic conditions. Forecasting is especially difficult during times of rapid change, such as we have been experiencing. The economic forecasts presented in this report are based on data available at the end of May, 1982.

1. EMPLOYMENT

Total employment in Massachusetts, as reported in the Current Population Statistics (CPS) series, is expected to average 2,794,300 during FFY'83, an increase of about 19,000 from FFY'82.

Nonagricultural wage and salary jobs, reported in the Current Employment Statistics series (CES-790) is expected to average 2,659,000 an increase of over 25,000 jobs from FFY'82 to FFY'83.

2. UNEMPLOYMENT

We project that Massachusetts unemployment rate will average 7.5 percent during FFY'83, down from 7.7 percent in FFY'82, and about one and one-half percentage points below the national average of 9.0 percent in FFY'83.

		MAS	SACHUSET	TS	U. \$.
	Labor Force (in 000's)	Employment (in 000's)	Unemployment (in 000's)	Unemployment Rate (%)	
FFY '81	2935.1	2761.9	173.2	5.9	7.4
FFY '82	3007.0	2775.5	231.5	7.7	9.1
FFY '83	3021.6	2794.3	227.3	7.5	9.0

MASSACHUSETTS
PROJECTED EMPLOYMENT BY INDUSTRY GROUP

	E	mployment (in 000)'s)
Industry	FFY 1981 (Actual)	FFY 1982 (Projected)	FFY 1983 (Projected)
TOTAL NONAGRICULTURAL EMPLOYMENT	2656.8	2633.6	2659.3
Manufacturing - Total Durable Goods Nondurable Goods	668.0 410.1 257.9	; 646.0 398.6 247.8	647.5 401.5 246.0
Construction Transportation, Communications and Public Utilities	. 78.0 120.3_	80.1 118.1	80.7 117.7
Wholesale and Retail Trade Finance, Insurance and Real Estate	574.6 162.5	578.1 166.4	587.7 169.5
Services Government Federal State Local	656.8 396.6 57.7 97.8 241.2	673.4 371.1 56.3 94.5 220.3	690.0 366.2 56.2 92.4 217.6

Prepared by: Job Market Research

July, 1982

III. Economic Developments and Outlook by Industry

A. Springfield-Chicopee-Holyoke LMA

The table below outlines the course of nonagriculture employment in the Springfield-Chicopee-Holyoke Labor Market Area since 1970 when the current employment series began.

The number of nonagricultural jobs in the area grew steadily up to 1974, then dropped sharply in the 1975 recession. The trend then repeated itself by peaking in 1980 just prior to the current recession. However, by 1976 recovery from the earlier downturn was well on its way. The current recession is much more prolonged in the Springfield-Chicopee-Holyoke IMA.

NonagricuItural Employment in Springfield-Chicopee-Holyoke LMA Annual Averages 1970-1981

Nonagricultural	Manufacturing	Manufacturing As Percent of Total
203 700	67.800	33.3
		30.8
		30.7
213,500	65,200	30.5
215,100	66,400	30.9
206,800	60,200	29.1
212,100	61,800	29.1
220,900	64,000	29.0
231,600	66,600	28.8
236,200	67,400	28.5
238,200	66,800	28.0
235,100	63,300	26.9
	203,700 202,600 204,700 213,500 215,100 206,800 212,100 220,900 231,600 236,200 238,200	203,700 67,800 202,600 62,500 204,700 62,900 213,500 65,200 215,100 66,400 206,800 60,200 212,100 61,800 220,900 64,000 231,600 66,600 236,200 67,400 238,200 66,800

Table 15 compares nonagricultural employment totals during the last three years. The figures show that for all months listed nonagricultural payrolls declined since 1980. Furthermore the over-the-year decline for most months has increased. The ten-month average decline was 3,000 jobs or 1.3 percent in 1981 and 5,100 jobs or 2.2 percent in 1982. To the extent that the fluctuations in the number of non-agricultural jobs in an area are a measure of the health of the economy, the Springfield area is still in a slow decline, especially when one takes into account that the effects of the recession on employment are somewhat masked by reductions in work weeks, temporary shutdowns, layoffs and part-time employment for economic reasons.

Table 15
Three Year Comparison of Nonagricultural
Employment
Springfield-Chicopee-Holyoke LMA
January-October, 1980-1982

Month	1980	1981	1982
January	234,100	230,500	227,800
February	237,300	234,000	230,000
March	238,000	235,300	230,800
April	239,900	236,700	232,300
May	239,100	238,600	234,000
June	237,800	235,100	228,600
July	233,600	230,700	224,600
August	235,200	231,500	224,900
September	238,900	235,000	230,600
October	240,800	237,100	230,800
10-Month Average	237,500	234,500	229,400

Table 16
Nonagricultural Wage and Salary Employment (in 000's)
Springfield-Chicopee-Holyoke IMA
1980 and 1981

				Industry Share As Percent of	Industry Share As Percent of
	Annual	Annual			Total
Industry Total	Average 1981	. Average 1980	Percent Change 1980 to 1981	Nonag. Employ. 1981	Nonag. Employ 1980
Total Nonagricultural Employment	235.1	238.2	- 1.3	100.0	100.0
Manufacturing Total	63.6	8.99	8°† –	27.1	28.0
Durable Goods Total	28.6	30.1	- 5.0	12.2	12.6
Primary Metal	2.2	2.3	- 4.3	ڻ	٥.
Fabricated Metal	4.6	9.8	E*# -	0.4	4.1
Machinery Exc. Electrical	8.6	9.2	- 6.5	3.7	3.9
Special Industry	1.7	1.8	- 5.6	2.	ထို (
General Industry	1.6	2	- 20.0	2.	æ.
Other Machinery Exc. Elec. Electrical and Electronic	ぴゃ	ທູນ. ≄ໍ ດໍ	1 1 4 6	ู่ ผู≄	1.55
Other Durable Goods	5.5	5.3	1.9	2.2	2.2
Nondurable Goods Total	35.0	7.92	- 1.7	14.9	15.4
Textiles	1.9	1.9	0	ထ့	8.
Apparel	2.7	2.8	- 3.6	1.1	1.2
Paper	7.4	7.5	- 1.3	3.2	3.1
Misc. Converted Paper	7.7	4.5	- 2.2	1.9	1.9
Other Paper and Allied	3.0	3.0	0	1.3	1.2
Printing and Publishing	6.2	0.0	الم الم	o,	น.
Chemicals and Allied	3.0	7.5	7.5	ئ ئ	0°7
Miso. Manufacturing	6.5	7.2	- 9.7	ဆိုလို	ر د د د
Other Nondurables	6.7	7.6	- 11.8	2.9	2.5
Construction	6.1	6.1	0	2.6	2.6
Trans., Comm., & Public Utilities	9.3	9.3	0	3.9	3.9
Wholesale & Retail Trade	48.3	48.2	5.	20.5	20.2
Finance, Insurance, & R. E.	13.4	13.2	ړ. د.	5.5	5.5
Insurance Carriers	5.5	5,3	3.8	2,3	2.2
Other Finance, Insurance	7.9	7.9	0	かった	3.3
Services and Mining	48.0	0.94	4.3	20.4	19.3
Government	46.5	48.6	- 4°3	19.8	20.4

SOURCE: BLS - 790, Current Employment Statistics Program, BLS - 790, 1981 Benchmark

Manufacturing's share of employment in 1970 was 33.3 percent. In 1981 it was 26.9 percent. During the current recession, ten month averaged employment in manufacturing industries have been running almost 4,000 fewer jobs than year-ago figures.

Three Year Comparison of Manufacturing Employment Springfield-Chicopee-Holyoke LMA January-October 1980-1982

Year	1980	1981	1982
January	69,100	62,800	61,800
February	68,900	63,000	61,100
March	69,000	63,200	60,800
April	68,100	63,600	60,100
May	67,500	63,800	59,800
June	67,400	65,000	60,000
July	65,000	63,100	58,000
August	65,800	63,700	59,200
September	65,700	65,000	59,400
October	65,600	64,200	58,400
10-Month Average	67,200	63,700	59,900

The Springfield-Chicopee-Holyèke LMA had a higher percentage share of manufacturing employment (26.9 percent) of total employment than the state(Massachusetts) (25.1 percent) and the Boston Standard Metropolitan Statistical Area (19.9 percent), the labor market area with the lowest 1981 annual average unemployment rate.

The <u>durable goods</u> sector of manufacturing began the current employment series with 28,600 jobs in 1970. In 1981 there were 28,600 jobs in durable goods industries, showing remarkable stability in this sector. However, the mix of industries has changed, Below is the percent distribution of industries in the durable goods sector:

	1970	1980
Primary Metals	12.2	7.7
Fabricated Metals	30.7	32.9
Nonelectrical Machinery	26.2	30.1
Electrical Machinery	9.8	11.2
"Other" Durable Goods	21.0	18.2

In contrast to the durable goods sector of manufacturing, employment in the nondurable goods presents a picture of slow steady decline from a high of 39,200 in 1970 to 35,000 in 1981. In 1970 nondurable goods manufacturers employed 57.8 percent of all factory workers. In 1981, the sector employed 55 percent.

Employment in the primary metals industry reached its highest level in 1974 at 3,500 and has dropped to 2,200 in 1981. During 1982 layoffs continued, bringing employment down to 1,600 in October. The slow, long-term decline of employment in this industry was brought about by foreign competition, but recently it has been affected by the recession as well. Primary metals is a capital intensive, highly automated industry using heavy equipment such as blast furnaces, extruders, and foundaries to produce iron castings, cold-rolled steel, cables and wires. These products are generally used by other industries. As such their productions tends to fluctuate according to the developments in other durable goods industries which produce goods using metal products. Smith and Wesson, a hand gun manufacturer, and one of the Springfield area's largest employers has eliminated 30 engineering and support staff positions earlier this year in an effort to cut costs. In June, 35 additional staff positions were eliminated. The company will also shut down production between Christmas and New Years.

<u>rabricated metals</u> is the largest manufacturing industry in the Springfield-Chicopee-Holyoke IMA. It has shown a slow but steady improvement during the past decade from 7,800 in 1971 to 10,000 in 1979. Unlike most manufacturing industries its employment continued to grow during the 1975 recession. But like other manufacturing industries, employment peaked in 1979 and has declined to a low of 8,200 in October, 1982. This industry, like primary metals, is affected by the recession but usually to a lesser degree. Many of its products are finished goods that may be stockpiled allowing for a lag between business slowdown and layoffs. Many companies produce auto parts and are particularly sensitive to the slump in auto sales.

The nonelectrical machineryindustry is primarily a producer of capital goods equipment for the food, textile paper, and printing industries. Its products range from computers, industrial compressors to mechanical power

transmission and many other specialized heavy equipment for all industries including its own. The decrease in orders for capital goods is a strong indicator of business downturns and a delay in reindustrialization.

Nonelectrical machinery is the second largest manufacturing industry in the area employing 7,900 as of October 1982. This figure approximates the 7,700 level during the 1975 recession. However, in the earlier recession, employment growth only slowed down while during the current recession employment is dropping sharply, from a peak of 9,200 in 1980 to 8,600 in 1981. During 1982, the lack of orders for capital goods is reflected in the declines in payrolls from 8,700 in January to 7,900 in Octobe.

Digital Equipment Corporation announced a three-month freeze on wages in September that will affect some 2,500 employees in Western Massachusetts. During the previous recession in 1975, small computer manufacturers suffered relatively few setbacks as demand for its products continued to soar. During the current worldwide slowdown, severe competition and lower demand for mini-computers has forced Digital Equipment to freeze wages and agressively lower prices as a means to prevent layoffs and to hold onto valued employees so as to be ready for the economic recoveries of the nation and Western Europe. The Van Norman Machine Company formerly one of Springfield's largest employers with a peak of over 1,000 workers, closed down in September with a loss of 80 jobs. Declining business in diesal trucking and agricultural markets were cited as the reason for layoffs of 90 workers and a two week shutdown at American Bosch Company, a producer of fuel-injection systems for diesel trucks.

On a more positive note, on November 11, Wang Laboratories broke ground in Holyoke. The company will spend \$17.5 million on a new 203,000-square foot building and equipment which will produce computers and is expected to bring about 800 jobs to the area when completed in late 1983.

The electrical machinery industry suffered a severe blow in the 1975 recession in which nearly half of its payrolls of 4,000 was wiped out. Since that time employment has risen to 3,600 in 1979 and has recently dropped to 3,200 in 1981 and has continued to decline in 1982. Since a large part of the industry's production involves electronic equipment for autos, it has been adversely affected by declining auto sales.

The textile industry is relatively small, employing approximately 2,000 workers, and has remained fairly stable over the years. During the current recession, employment is slightly higher than it was during the 1975 recession. The industry, hard-hit by foreign competition, survived by using new, highly automated equipment and techniques, innovative product lines and the use of overtime rather than new hiring to save on the cost of training and personnel fringe benefits. Even during the current recession weekly hours worked in this industry in October 1982 averaged 47.2 compared to the 39.8 hours in all manufacturing.

Trends in the apparel industry show a gradual decline in employment over the decade from 3,600 in 1971 to 2,700 in 1981. Unlike the textile industry in the area, this industry is having difficulty in meeting foreign competition because it is not readily automated, making it labor intensive. Even though wages are low (\$5.29 per hour vs. \$7.81 in all manufacturing industries) foreign labor costs are much lower. In addition, the chief product in this area is women's and children's clothing which is particularly sensitive to consumer demand and rapidly changing fashion trends. Men's apparel is less sensitive.

Paper once the largest industry in the area, is now the third ranking manufacturing industry in employment. As of October 1982, some 7,100 jobs were counted, a figure that compares with the 7,000 in October 1975 another recession period. However, employment figures mask the productivity increases brought about by automation and plant expansion. This industry's fortune depends upon many factors including the business cycle, unique quality products, foreign competition and even postal rates. But the long-term employment trend seems to be downward, gradually.

Due to inroads gained by various plastics packaging materials including styrofoam two Diamond International Corporation plants in Western Massachusetts, producers of speciality paper products such as materials and egg cartons, may be sold if a merger agreement is reached. Fach plant has between 200 and 250 workers.

James River Graphics has recently unveiled its new \$6.2 million facility designed to keep the firm competitive in the coated films and paper industry. In the last four years, this company has increased its employment 33 percent in the LMA.

Another Western Massachusetts company has joined the race to market an advanced "tamper-resistant" packaging product in the wake of the recent Tylenol poisonings. Ludlow Speciality Papers has produced billions of tamper proof packings for transporting lottery tickets without breaking a single number. The company is hoping that drug manufacturers will see their product as a solution to tampering with over-the-counter products. The company has announced a \$3 million capital expansion program. Although no increases in employment are expected as a result of the expansion, the plant's current workforce will be maintained through market expansion.

The printing industry is one of the most stable industries in the area. In 1981 employment peaked at 6,200 - the highest level since 1970. The industry appeared to be recession resistant. However, during 1982 employment declined somewhat so than in October, 1982 the 5,900 payroll was 500 lower than the year-earlier figure.

Technological advances such as word processing machines, computer aided design equipment, and computer graphics may change the occupational $_{\rm mix}$ of the industry and eventually lead to reduction in employment through attrition.

Like most other manufacturing industries, employment in the chemicals industry has receded during the past few years from 3,800 in 1979 to 3,600 in 1981. The full impact of the recession however is being felt during 1982 with employment reaching 3,100 in October down 500 from October 1981. Part of the reason for this decline are layoffs at Monsanto Chemicals, a manufacturer of plastic liners for windows used in homes and autos and other auto-related products. The company is also offering retirement incentives for salaried employees who are 55 and over and whose age plus years of service add up to 80 or more.

The <u>construction</u> industry trends over the decade reveal a dramatic decline from 8,200 in 1973 to 6,100 in 1981 after dipping to a low of 5,200 during 1976 and 1977. An interesting feature of the employment trends is that the 1975 recession showed up in construction employment during 1976 and 1977. During the current recession in 1980 and 1981 employment has remained stable while employment in other industries declined. However, in 1982 monthly payrolls are beginning to run lower than a year earlier.

Government-funded projects such as highways, buildings, home rehabilitation multi-unit housing projects and private plants expansion have caused employment to increase to 6,200 in 1979, but the effects of the recession, high cost of materials and money have not shown up in employment levels until 1982. If the past trends are an indicator, the impact of the current recession will show up in construction employment figures in 1983 and 1984.

Employment in transportation, communications and utilities has been very stable over the decade. Although employment dropped to its lowest point in the 1975 recession, it is going through this recession with only a slight dip (9,400 in 1979, 9,300 in 1981). The latest monthly figures in 1982 indicate a slight weakening as figures for October show an over-the-year drop of 500 (9,400 to 8,900).

The second largest employer in the area is the wholesale and retail trade industry. It provides 21 percent of all nonfarm jobs. Except for a slight dip in the 1975 recession, employment levels have increased steadily even through the current recession. During 1982 monthly figures are comparable to those of 1981 indicating stability rather than continued growth. Employment levels in this industry will not significantly drop unless the recession is prolonged.

Finance, insurance and real estate appears to be another recession-resistant industry. Employment levels have risen steadily over the decade (9,800 in 1970 to 13,400 in 1981) and are still rising during the current slowdown. The most up-to-date data in 1982 show continued employment growth through October. Within this sector, there may be a reduction in the number of establishments due to acquisitions and mergers.

In February 1982, the <u>service</u> industry surpassed wholesale and retail trade as the largest industry in the Springfield area. It now employs 21 percent of all nonfarm workers in the LMA. Some 17,000 workers were added to service payrolls since 1970. Five thousand of these workers were added during the current recession. The gains occurred in amusement and recreation, hospitals, and in the hotel business. Increases in employment are expected to continue in the near future but at a diminished rate.

In October 1982 government employment consisted of 5,600 (12 percent) federal workers, 17,000 (37 percent) state workers and 23,400 (51 percent) local government employees for a total of 46,000 jobs. The effects of Proposition 2½ passed in 1980, were felt in 1981 as employment dropped sharply from 48,600 in 1980 to 46,500 in 1981. Most of the loss occurred on state and local government levels. The October 1982 figure of 46,000 is more than 5,000 below the comparable level in October 1980.

Additional tables (Tables 53 to 56) are included in the Appendix because they are pertinent to the Springfield-Chicopee-Holyoke LMA. The data presented focus on 48 selected three-Digit SIC industries. Employment changes in these industries from 1977 to 1981 are delineated. Comparisons are made with statewide employment in these industries. In addition, employment by major occupations is given. Employment in these major occupational categories is given for each of the 48 industry subgroups.

For further detail on the analysis of employment trends and occupational profiles of these 48 industrial groups, refer to Springfield: Its Place in the Connecticut Valley, 1977-1981 published by the Job Market Research Service.

B. Pittsfield Labor Market Area

The economic fortunes of the Pittsfield LMA are closely tied to those of the General Electric Company, by far the largest employer in the area. The company suffered a major setback when the energy crisis reduced the demand for electric power transformers. The situation was further aggravated by the recent loss of a bid for a \$350 million contract to a Swedish company to build two power converter stations in Utah and California. The project would have provided work for more than 500 Pittsfield employees for two years. In addition to the cutbacks in the power transformer department. G.E. has announced that it will stop producing the Genal Plastics compound in December, 1982 and layoff or transfer 100 workers. To counter these setbacks G.E. management is reorganizing plants and equipment to improve productivity by 25 percent in its transformer division and possibly layoff 500 workers within 18 months. A company spokesman announced that the alternative is a financial bath and possible elimination of all 3,200 jobs in the transformer division in Pittsfield

G.E. will have the opportunity to reduce the numbers of projected layoffs by successfully bidding for a multimillion-dollar power project that would bring lower-cost hydroelectric power from Quebec to New England. Winning the contract would mean an estimated 500 or more man-years of work in the power transformer department.

Other positive notes are that the Plastics Division of G.E. Which is headquartered in Pittsfield is building s \$20 million technical center with research and development facilities that will employ 20 persons to start and eventually up to 200. Some 200 workers will be involved in the construction of the building as well.

The Ordnance Division has maintained a steady level of employment and even appears to have prospered somewhat from recent defense contracts for weapons systems amounting to \$115.1 million.

The second largest manufacturing employer, Sheaffer Eaton, and the third, A.H. Rice Company, has reduced their forces during the national recession. Together these three firms form a monopsony in Pittsfield. Other firms supply goods and services to these companies. In turn, their combined employees bank and purchase services and consumer goods within Pittsfield.

Another major employer in the Pittsfield LMA, Sprague Electric of North Adams, has paced down its operations. The ceramics section of the company is being relocated to the southwest part of the United States causing the loss of 75 jobs. A conglowerate of 22 firms located world wide, Sprague Electric has been forced by adverse economic conditions brought about by

fierce foreign competition in the manufacturing of electronic components to close down several plants in the U.S.A. and abroad and consolidate some of their product lines under one roof.for economy and efficiency. When a company spokesman was asked why the North Adams ceramics chip operation was consolidated in Texas with the loss of 75 local jobs the answer was that taxes are lower, energy cheaper, and better transportation is available there. The distance from North Adams to the Massachusetts Turnpike exit at Lee is 33 miles.

Both G.E. and Sprague Electric, and many other employers in the Pittsfield LMA as well, are using furloughs, reduced hours and temporary shutdowns as a way to keep layoffs at a minimum.

Another company in the process of consolidation is the Kimberly-Clark Corporation in Lee. The company's 40-man research and development department was moved to the corporation's 95-acre complex in Georgia.

Nearly 30 hourly employees had been previously layed off for three months due to falling demand for cigarette tipping, tea bag and specialty paper products:

The Arnold Print Works, a manufacturer of prints material for apparel, uniforms and home decorations recently emerged from bankruptcy with the help of the Massachusetts Community Development Finance Corportation and lcans of \$250,000 and \$150,000. The plant employed 400 persons.

Employment in the construction industry in the Pittsfield IMA has remained stable over the past two years with annual averages of 1,345 in 1980 and 1,407 in 1981. In 1982, employment has reached the 1,600 level. The prospects for future growth are favorable because of two shopping malks now being built. In North Adams, Hermitage Park will not only provide many construction jobs while being built but when completed, it will provide many jobs in trade and services and attract tourists to the area. The park will cost \$7.1 million and will open in April 1983. A \$3 million shopping park in the Lenox -Pittsfield area called Pyramid Mall will be ready in two years, perhaps November 1984.

Government, Chamber of Commerce and community development organizations are promoting the construction of new highways, city bypasses and road widenings as a means of improving the flow of traffic both commercial and commuting, in the area.

A new \$20 million headquarters and research and development facility for G.E.'s plastic division to be built in Pittsfield will require approximately 200 construction workers.

Employment in Wholesale and Retail Trade in the Pittsfield LMA rose slightly from 11,975 in 1980 to 12,046 in 1981 and is remaining stable in 1982 despite the recession. This in part reflects the favorable effects of tourism in the area which was boosted by good weather.

The service industry was also aided by tourism. Employment in service industries grew from 10,381 in 1980 to 10,691 in 1981. It is expected to reach 12,000 in 1982. During the past five years, services payrolls have grown as tourism has grown. It should be noted that weather plays an important role in tourism employment. Indoor swimming pools and tennis courts and snow-making equipment have permitted extension of seasonal employment and reduced the economic damage of unfavorable weather conditions.

Table 17
Private Nonagricultural Wage and Salary Employment
Pittsfield IMA
1975 - 1982, Annual Averages (000's)

Industrial Group	1975	1976	1977	1978	1979	1980	1981	Projected 1982
Nonagricultural	44.0	43.0	42.8	44.3	46.2	46.2	46.1	45.0
Manufacturing Total	20.3	19.0	18.0	18.7	18.4	18.1	17.7	17.2
Durable Goods - Total	14.6	12.9	12.1	12,1	12.1	12,1	11.6	11.5
Electrical Machine	12.1	10.2	90,0	9.5	, 6, c	, e, c	8.7	8.7
All Uther Durable Goods	7 • #	1.4	1.4	1.2	T•7	T. T.	1.0	1.4
Nondurable Goods - Total	5.7	6,1	5.9	9.9	6,2	0.9	6.1	5.7
Textile Mill Products	1.0	7.1	1.0	70	6.0	1.0	1.2	1.1
Paper & Paper Products	2,1	2.5	2.5	2.7	2.3	2.3	2.3	2.2
Other Mondurable Goods	5.6	2.5	2.4	2.9	3.0	2.7	5.6	2.4
Nonmanufacturing Total	23.7	24.0	24.8	25.6	27.5	28.1	28.4	27.8
Contract Construction	1.5	1.3	1.2	1.4	1.3	1.3	1.4	1.2
Trans. Communication & Utilities	7.1	1.7	1.8	1.1	1.6	1.6	1.5	1.5
Wholesale & Retail Trade	1.6	9.8	10.4	10.6	12.2	12.0	12.0	11.8
Finance, Insurance & Real Estate	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.4
Services	8.8	9.1	9.5	2.6	10.1	10.9	11,1	10.9

* Excludes Government Source: Division of Employment Security

Table 18 Total Inneured Engloyment Cities and Towns Within Springitela-Chicopee-Holyoke LMM Calendar Year 1980

						Transp.,		Finance,		
Cities and Towns	Totals	Totals Agriculture	Mining	Construction	Construction Manufacturing	Comm., Utilities	Wholesale & Retail Trade	Ingurance, Real Estate	Services	Government
				;	•					
Agawam	6,528		0	164	2,262	556	1,555	89	1,280	883
Amherst	10,423		0	125	205	88	1,354	287	1,968	6.334
Belchertown	2,139		0	51	ບ	1 6	126	55	126	1.729
Brimfield	270	ບ	0	13	ပ	ပ	ပ	ė,	11	86,
Chesterfield	83		0	ບ	ပ	၁	28	ပ	υ	C.1
Chicopee	17,302		ပ	1427	6,925	100	3.920	1,26	2.216	2.823
Easthampton	l, h83	91	0	149	2,551	8	266	107	191	188
East Longmeadow	6,932		υ	255	4,167	216	006	187	619	555
Granby	549		0	13	ຍ	ပ	106	0	99	203
Granville	191	ຍ	0	၁	122	0	ບ	0	6	77
Hadley	2,629	212	0	29	ຍ	92	1,817	19	242	172
Hampden	455	ບ	0	9	€	ပ	100	10	115	125
Hatfleld	630	179	0	36	. 191	υ	66	υ	16	135
Holyoke	23,656	17	0	892	8,673	346	096	862	4.805	3.101
Longmeadow	2,599	7.7	0	. 8	0	91	922	126	728	859
Ludlow	3,648	ပ	50	323	1,006	9	880	153	539	929
Munson	1,548	ပ	υ	ຍ	1,063	၁	85	25	53	267
Montgomery	31	0	0	၁		0	0	0	0	~
Northampton	14,526	36	υ	301	1,928	552	3,000	417	4.575	3.704
Palmer	6,043	5	0	145	2,126	291	723	112	642	2,099
Pelham	85	0	0	o	ບ	0		0	0	73
Russell	2 36	ပ	0	0	964	a	56	0	O	15
South Hadley	4,570	ບ	0	160	1,759	ŧβ	731	142	၁	618
Southampton	101	ບ	0	9	84	ပ	ပ	ပ	56	130
Southwick	1,115	105	၁	82	104	32	381	ပ	52	300
Springfield	84,250	146	0	1,844	19,915	4,106	17,933	7,983	18.572	13.750
Wales	65	0	0	ဎ	ပ	o	υ	0	ပ	64
Warren	1,699	0	0	37	1,298	υ	54	ပ	&	210
Westfield	15,999	195	ບ	576	7,279	357	3,087	1462	2,087	2,190
Westhampton	23	ల	0	ວ		0	ບ	ບ		3
West Springfield	13,933	36	0	521	3,093	1,440	4,457	770	2,583	1,033
Wilbraham	2,992	52	ပ	2	1,306	56	478	9	338	99
Williamsburg	572	ပ	0	ပ	105	1 6	89	9	65	192
Totals	230,901	1,400	120	6,070	66,800	8,640	48,530	12,300	43,400	43,641
I.MA Wages	\$12,600	\$8,000	\$19,700	\$16,300	\$15,500	\$17,600	\$12,800	\$13.400	\$10,100	\$12,900
C - Confidential										

C - Confidential Source: ES-202 Employment, Mages and Contributions Report

Table 19
Total Insured Employment
Municipalities Within Pittsfield Consortulm and Pittsfield Job Matching Service Areas
Galender Year 1980

					1					
CEFA Totals						Transp.	Wholesele	Finance		
Cities and Towns	Totals	Totals Agriculture		Construction	Mining Construction Manufacturing	Utilities	Retail Trade	Real Estate	Services	Government
Adems	3,045	0	0	72	1,704	63	412	18	275	425
Alford		0	11	.0	0	0	0	. 6	0	
Beckst	66	0	0	01	ຍ	0	0	5	0	58
Chashire	196	၁	0	0	ဗ	0	93	6	24	32
Clarksburg	124	0	0	34	ຍ	0	12	0	0	53
Dalton	2,418	0	0	96	874	ပ	0	ပ	560	413
Egremont	503	0	0	0	ပ	0	19	0	ပ	. 60
Florida	63	ပ	0	0	0	0	0	0	0	61
Great Barrington	3,498	41	0	171	411	159	1,010	144	1,452	110
Hanoock	99	0	0	0	0	ပ	8	0	0	58
Hinsdale	152	0	0	0	ຍ	ပ	2	0	0	9
Lanssborough	284	0	0	0	19	ల	93	0	13	62
Lee	2,643	ဗ	9	62	1,268	ပ	574	89	277	246
Lenox	3,284	ဗ	0	65	187	O	1,889	92	737	321
Monterey	35	0	0	0	0	0	0	6	9	6 0
Mount Washington	17	0	0	0	0	0	0	0	0	*
New Ashford	147	6	0	0	6	0	0	0	ပ	22
New Marlborough	250	0	0	٠	ຍ	ပ	0	0	151	53
North Adens	1,061	0	0	74	2,647	279	1,584	191	1,309	992
Otte	126	0	0	0	ပ	0	58		0	42
Peru	23	0	0	0	6	0	0	0	0	. ▼
Pittefield	27,521	39	0	625	10,691	910	5,504	1,908	5,142	2,802
Richmond	15	0	0	0	58	0	0	0	ပ	23
Sandiefleld	124	0	0	0	60	0	43	0	ပ	เ
Savoy	35	0	0	0	0	0	၁	0	ပ	13
Sheffield	167	0	0	56	210	39	125	*	0	175
Stockbridge	963	0	o	52	ຍ	0	178	15	418	310
Tyringham	24	0	0		0	0	0	0	0	1
Washington	99	ဗ	0	0	ບ	O	0	0	0	*
West Stockbridge	306	0	0	22	Š.	13	90	ပ	ø	27
Williamstown	3,105	46	O	9	267	23	724	7.1	1,330	368
Windsor	6	0	0	0	0	0	0	0	0	K
	24. 746	241	ď	1 568	740	1,658	14.174	2.464	12,179	6.648
TOTALS - CONSOLATION	20,140	143	3	000			(141/4			-
Pittsfield LMA Waxes	\$13,200	\$6,330 \$19	\$19,900	\$15,500	\$18,100 \$1	\$14,300	\$8,200	\$12,400	\$9,980	\$13,600
2										-

C -Confidential

Sources ES-202 Employment, Wages and Contributions Report

Table 20

Massachusetts Industrial Finance Agency
1981 Projects Approved for Industrial Revenue Bonds
Western Massachusetts

Company	*IDFA Location	IMA	Board Approval	Loan Total (in 600's)	Jobs Involved
F. A. Bassette Co.	Springfield	S-C-H <u>1</u> /	01/08/81	\$ 1,000	10
K & M Electronics	W. Springfield	S-C-H	01/08/81	1,795	197
Meehan and Company	Clarksburg	Pitts. 2/	01/08/81	280	9
Bookstore Building	Springfield	S-C-H	01/08/81	800	57
United Holyake Corp. United Holyake Corp. United Holyake Corp.	Holyoke	S-C-H	01/08/81 01/08/81 01/08/81	360 360 360	n
American Pad & Paper Company	Holyoke	S-C-H	02/05/81	1,100	20
Richard H. Fullam	W. Springfield	S-C-H	02/05/81	700	1
Paul D. Cassanelli	W. Springfield	S-C-H	02/05/81	150	1
Country Curtains, Inc.	South Lee	Pitts.	02/05/81	1,700	20
Eastern Container Company	Springfield	S-C-H	02/05/81	7 45	3
Lightning Technologies, Inc.	Pittafield	Pitts.	03/11/81	160	14
A. R. Sandri, Inc.	Greenfield	Grafid. 3/	03/11/81	525	13
Pynchon Associates	Springfield	S-C-H	03/11/81	2,100	100 .
Third National Bank of Hampden County	W. Springfield	S-C-H	03/11/81	1,500	100
Robert Fibre Box, Inc.	Northempton	S-C-H	04/02/81	550	5
Pioneer Packaging, Inc.	Chicopee	8-C-H	04/02/81	300	5
Advance Manufacturing Company	Westfield	8-C-H	04/04/81	600	5
Descon Machinery, Inc.	N. Adams	Pitts.	05/07/81	650	52
Peter Picknelly/ American Coach Works	Springfield	S-C-H	05/07/80.	580	65
Shipton Development Company	Pittafield	Pitts.	05/07/81	7100	•
American Pad and Paper Company	Holyoke	S-C-H	05/07/81	7400	*
Excelsior Process and Engraving, Inc.	H. Adams	Pitts.	05/07/81	350	10
Vogform Tool & Die Company	W. Springfield	S-C-H	05/07/81	300	. 5
Pond-Exberg Co.	Chicopee	S-C-H	05/07/81	750	*
Excel Dryer Corp.	E. Longmendow	S-C-H	05/07/81	250	10
Clarks Tire & Auto	W. Springfield	S-C-H	06/04/81	200	4

Table 20
Massachusetts Industrial Finance Agency
1981 Projects Approved for Industrial Revenue Bonds
Western Massachusetts
(continued)

Company	*IDFA Location	INA	Board Approval	Loan Total (in 000's)	Jobs Involved
Edaron Incorporated	Holyoke	S-C-H	06/0k/81.	\$ 450	15
Work Opportunity Center, Inc.	W. Springfield	S-C-H	06/04/81.	245	8
S. S. Pennock Company	W. Springfield	S-C-H	06/04/81	300	3
Artted Land Company	Springfield	S-C-H	06/04/81	1,000	20
Albert Steiger, Inc.	Springfield	S-C-H	06/04/81	1,500	50
Jen-Coat, Inc.	Westfield	S-C-H	06/04/81	1,850	15
Autoparts Wholesalers, Inc.	Pittsfield	Pitta.	07/02/81	150	8
Coca-Cola Bottling Company	Greenfield	Grafid	07/02/81	400	15
Cocs-Cols Bottling Company	Pittsfield	Pitts.	07/02/81	400	3
Shatz, Schwarts & Festin	Springfield	S-C-H	07/02/81	250	3
Western Mass. Tobacco & Candy Co.	W. Springfield	8-C-H	08/06/81	240	6
State Line Snacks Corp.	Wilbraham	S-C-H	08/06/81	1,100	34
J. C. Tarbell Assoc., Inc.	E. Longmendow	S-C-H	08/06/81.	350	15
Agway, Inc.	Bernardston	Gmfld	18/60/80	2,000	11
Jay-Lee Food Distributors, Inc.	Springfield	S∞C-H	08/06/81	225	2
Master Industries, Inc.	Holyake	S-C-H	08/06/81	500	40
Leminated Papers, Inc.	Holyoke	S-C-H	08/06/81.	1,500	3.4
Mid Atlantic Canners	Northeapton	SC-H	08/06/81	3,800	53
Brinfield Precision, Inc.	Brinfield	S-C-H	09/03/81	460	32
Crane & Company, Inc.	Pittsfield	Pitts.	09/03/81	1,300	5
Lundy Food Purveyors, Inc.	N. Adems	Pitts.	09/03/81	250	10
New England Smelting Works, Inc	W. Springfield	8-C-H	09/03/81	300	5
Secunda Realty	Pittsfield	Pitte.	09/03/81	400	150
Sealed Air Corp.	Holycke	8-C-H	09/03/81	2,800	10
Lasercomb America, Inc.	Palmer	S-C-H	10/01/81	697	13
Ciocca Construction Corp.	Springfield	3-C-H	10/01/81	450	14
Excelsior Printing Company	N. Adems	Pitte.	10/01/81	480	*
North Adams Assoc.	N. Adams	Pitts.	10/01/81	4,000	150
Roper & Broderick, Inc.	Chicopee	SC-H	10/01/81	350	16

Table 20 Massachusetts Industrial Finance Agency 1981 Projects Approved for Industrial Revenue Bonds Western Massachusetts (continued)

Company	*IDFA Location	INA	Board Approval	Loan Total (in 000's)	Jobs Involved
N. E. Business Service, Inc.	Groton	B.O.S. 4/	10/15/81	\$ 5,000	500
Moore Company, Inc.	Springfield	S-C-H	10/15/81	10,000	150
James Hunter Machine Company	N. Adams	Pitts.	10/22/81	480	18
The Northampton Hotel	Northampton	S-C-H	10/22/81	1,000	135
Tervakoski, U.S.A., Inc.	Lenox	Pitts.	10/22/81	2,725	20
Jenifer House Ltd., Inc.	Great Barrington	G.B. 5/	10/22/81	400	25
Wang Laboratories	Holyoke	S-C-H	10/22/81	10,000	800
Nucom, Inc.	Great Barrington	G.B.	10/22/81	212	28
Cooley, Shrair, Alpert & Labovitz	Springfield	S-C-H	11/05/81	275	15
Hammermill Paper Co.	Westfield	S-C-H	11/05/81	5,000	142
Ski America Enterprises, Inc.	Pittafield	Pitts.	11/05/81	200	18
Kittredge Equipment Co.	Springfield '	S-C-H	11/05/81	350	10
Tectrol Associates, Inc.	W. Springfield	S-C-H	12/03/81	200	10
Country Curtains, Inc.	South Lee	Pitts.	12/03/81	370	20
Holyoke Water Power Co.	Holyoke	S-C-H	12/08/81	12,000	-
Beloit Corporation	Pittsfield	Pitts.	12/08/81	1,000	18
Lenox Machine Co.	Lencx	Pitts.	12/08/81	2,040	20
Consolidated Freight	Chicopee	S-C-H	12/29/81	2,800	100
Totals - Western Massachusett	i.a		75	\$100,664	3,346

Source: Massachusetts Industrial Finance Agency

^{*} These projects have job retention

S=C-H = Springfield, Chicopee, Holyoke

기에에나 Pitts. = Pittsfield Grnfld. = Greenfield

B.O.S. = Balance of State LMA

G.B. = Great Barrington

Table 21.

Massachusetts Industrial Finance Agency
1981 Projects Approved for Guaranty Committments
Western Massachusetts

Company	Location	IMA	Board	Loan Total	Project	Jobs
Arrow Alloys, Inc.	W. Springfleld	S-C-H 1/	11/90/01	\$ 400,000 \$ 403,000	\$ 403,000	#
Millers Falls/DEDIC	Decrifeld	Grnfld.2/ 02/02/78	02/02/78	177,000	869,000	200
Nielson Moulding Design Corp.	W. Groton	B.0.8. 3/	09/10/10	525,000	663,000	120
Springfields Bakery	Springfield	8-C-H	09/19/78	225,000	350,000	411
Berkshire Tanning Corp.	N. Adams	Pitts. 4	12/07/78	125,000	1,800,000	96
Van Norman Machine	Springfield	S-C-H	01/30/80	880,000	1,101,600	30
Elwell Iron Works	Springfield	В-С-Н	10/02/80	325,000	458,000	9
Technet/Scharr Industries	Springfield	S-C-H	06/04/81	625,000	1,215,000	124
Totals Western Massachusetts			8	\$3,915,000	\$3,915,000 \$7,139,600	688

Source: Massachusetts Industrial Finance Agency

1/ S-C-H * Springfield-Chicopee-Holyoke IMA 2/ Grnfld, = Greenfield IMA

3/ B-0-8 = Balance of State IMA | Pitts. = Pittsfield IMA

IV. Employment Developments and Outlook by Occupation

A. Analysis of Occupational Data

The Division of Employment Security compiles applicant data by means of the Employment Service Automated Reporting System (ESARS). The system provides data statewide, as well as by labor market area and local Employment Security offices. In this report, we will examine ESARS data from the Springfield-Chicopee-Holyoke LMA and the Pittsfield LMA.

ESARS contains data on applicant characteristics such as age, sex, education, race and ethnic group. It also lists job orders by occupational category, wage and number of openings. Tables also list employment office functions such as placement, counseling, testing and other services.

Tables22 and 23 are derived from the March 1982 ESARS Table 96 for the Springfield-Chicopee-Holyoke and Pittsfield LMAs. Those occupations that have more unfilled openings than applicants may be considered high demand occupations. Many of these positions may remain unfilled because of poor working conditions including low pay and distance of travel. Others are unfilled because there is a lack of qualified applicants. The tables also give the ratio of the total number of active applicants to unfilled job openings. This ratio may be used as an indicator of applicant surplus. For example, this ratio for Pittsfield LMA in March 1982 was 3,738 active applicants to 358 unfilled openings or a ratio of 11 to 1. As a rough rule of thumb, all occupations with a 12 to 1 or higher ratio may be considered an applicant surplus occupation.

Another source of occupational information for the state and major labor market areas is the Job Bank, a computerized system of job openings posted with the Division of Employment Security. The tables include job openings by occupational category, industry, and average pay.

Tables 25 and 26 are summary tables of openings available by major occupational groups for the Springfield-Chicopee-Holyoke LMA and the Pittsfield LMA's. Provided in these tables is information on average pay for these occupations and the number of unfilled openings. A comparison of the number of openings available and the number of openings unfilled gives us an indication of the strength of the demand for that occupation. Of special value in the analysis of demand is the number of jobs unfilled for 30 days or more. All data is compared with a month earlier figures.

Tables 27 and 28 provide the same information as Tables 25 and 26 but in much more occupational detail. Tables 29 and 30 analyze job openings for the two labor market areas by industry in which the openings occur.

Table 22
Ratio of Applicants to Job Openings
Selected Occupations
Springfield-Chicopee-Holyoke LMA
March 1982

-					
		Total			Ratio of Active
		Applicants	Total	Unfilled	Applicants to
		Fiscal Year	Active	Job	Unfilled Job
Occu	pational Code and Name	to Date	Applicants	Openings	Openings
0-1	Professional Machanian				
0-1		Leso	07.00	1.1.=	c .
	and Managerial	4552	2129	441	5:1
	General Duty Nurse	34	25	82	3:1
	Lic. Practical Nurse	61	45	107	4:1
	Retail Store Manager	236	125	0	125/0
2	Clerical & Sales Occup.	7226	3673	305	12:1
	Secretary	392	206	14	15:1
	Clerk-Typist	389	185	19	10:1
	General Clerk	775	407	- 8	51:1
	Audit Clerk	183	98	7	14:1
	Cashier, Accounting	219	126	14	32:1
	Teller	100	41	48	1:1
	Cashier, General	5 jryt	90	4	23:1
	Adm. Clerk			•	
		377	210	.11	19:1
	Receptionist	167	92		23:1
	Insurance Sales Agent	21	11	35	3:1
	Gen. Mdse. Sales Person	194	97	5	19:1
	Coupon Redemption Clerk	324	120	14	9:1
3	Service Occupations	6615	3840	481	8:1
	Gen. Hse. Worker	367	299	3	100:1
	Counter Attendant	167	76	57	1:1
	Waiter/Waitress	501	317	- 38	8:1
	Cook	188	65	20	3:1
	Kitchen Helper	486	200	13	15:1
	Occ. Therapy Aide	128	48	160	3:1
	Nurse Aide	673	441	26	17:1
	Janitor	364	164	14	12:1
	A attroop	304	704	14	77: T
<u>L</u>	Farming, Fishery, & Related Wo	rk 785	429	1	429:1
	Farm Worker	259	131	0	131/0
5	Processing Occupations	758	416	27	15:1
6	Machine Trades Occupations	155	82	2	41:1
	Auto Mechanic	196	98	7	14:1
		2,0	<i>y</i> ~	,	ollo™ ¢ efo

Table 22
Ratio of Applicants to Job Openings
Selected Occupations
Springfield-Chicopee-Holyoke LMA
March 1982
(continued)

Occur	pational Code and Name	Total Applicants Fiscal Year to Date	Total Active Applicants	Unfilled Job Openings	Ratio of Active Applicants to Unfilled Job Openings
7	Benchwork Occupations Electronics Assembler Sewing Machine Operators	2398 243 167	1373 120 109	43 4 3	32:1 30:1 36:1
8	Structural Work Occupations Carpenter Construction Worker Building Maint. Repr.	2424 186 296 213	1281 109 160 111	39 0 3 3	33:1 109/0 53:1 37:1
9	Miscellaneous Occupations Tractor-Trailer Truck Driv. Heavy Truck Driver Light Truck Driver Hand Packager Material Handler	4679 217 287 183 685 1740	2485 121 150 95 407 881	159 4 3 0 3 13	16:1 30:1 50:1 95/0 136:1 68:1
	TOTAL	34561	18936	1547	12:1

Source: ESARS Table 96

Table 23
Characteristics of Applicants Registered
At Job Matching Service Center
By Occupation
Pittsfield Labor Market Area
March 1982

-	and the second s				Dotion of Action
	Occupational Group	Total	Total	Unfilled	Applicants to
DOT		Applicants	Active	Job	Unfilled
Code	Title	Fiscal Year	Applicants	Openings	Job Openings
0-1	Professional, Managerial				
	and Technical	1216	431	15	29/1
	Guidance Counselor	45	14	7	14/1
	Secondary School Teacher	116	25	0	25/0
	Elementary School Teacher	83	21	0	21/0
	Administrative Assistant	9†	10	0	10/0
	Retail Store Manager	41	† Z	0	24/0
	Food Service Manager	27	15	Н	15/1
٥	Clemical & Sales	9191	772	164	5/7
1		141	, (3)	8	17/1
	Clerk-Typist	179	23	, cu	12/1
	General Clerk	172	8	1	80/1
	Bookkeeper	62	31	0	31/0
	Cashier	52	56	0	26/0
	Administrative Clerk	108	51	7	51/1
	Shipping & Receiving Clerk	27	12	0	12/0
	Receptionist	45	15	0	15/0
	General Merchandise Sales Person	20	27	0	27/0
	Sales Clerk	113	52	0	52/0
3	Services	1649	820	38	22/0
	General House Worker	25	11	0	11/0
	Counter Attendant	23	×	0	36/0
	Waiter & Waitress Bertenden	165 48	93	ι ν	19/1 1/16
	Cook	63	1 8	4 . r=4	30/1
	Short Order Cook	2/2	13	٦	13/1
	Kitchen Helper	124	, 23 28	2	1/61
	Housekeeping Cleaner	33 151	16	00	16/0
	onto point	4/1	2	J	*//

Table 23
Characteristics of Applicants Registered
At Job Matching Service Center
By Occupation
Pittsfield Labor Market Area
March 1982
(continued)

					Ratio of Active
	Occupational Group	Total	Total	Unfilled	Applicants to
DOT	and	Applicants	Active	Job	Unfilled
Code	Thtle	Fiscal Year	Applicants	Openings	Job Openings
3	Child Institutional Attendant	52	13	0	13/0
	Janitor	124	65	9	1/11
4	Agricultural, Forestry &				
	Related Occupations	194	26	K	32/1
	Forester Aide	11	10	0	10/0
5	Processing	169	89	0	0/68
	Paper Machine Back Tender	16	11	0	0/11
9	Machine Trades Occupations	662	327	#	82/1
	Machinist	杰	13	0	13/0
	Automotive Mechanic	69	33	0	33/0
7	Benchwork/Occupations	439	506	35	6/1
8	Structural Work Occupations	902	194	7	1/99
	Auto Body Repairman	19	12	0	12/0
	Painter	37	3	0	25/0
	Operating Engineer	27	16	0	16/0
	Carpenter	11	9#	0	0/9#
	Construction Labor	17	11	0	0/11
	Roofer	. 35	53	0	29/0
	Construction Worker	125	55	7	55/1
	Building Maintenance Repairer	101	53	0	53/0

Table 23
Characteristics of Applicants Registered
At Job Matching Service Center
By Occupation
Pittsfield Labor Market Area
March 1982
(continued)

					Ratio of Active
	Occupational Group	Total	Total	Unfilled	Applicants to
DOT	and	Applicants	Active	Job	Unfilled
Code	Thtle	Fiscal Year	Applicants	Openings	Job Openings
6	Miscellaneous Occupations	1040	894	92	5/1
	Tractor Trailer Truck Driver	9	23	0	23/0
	Heavy Truck Driver	8	む	0	43/0
	Light Truck Driver	57	25	0	22/0
	Bus Driver	太	18	0	18/0
	Hand Packager	37	21	0	21/0
	TOTAL	8027	37.38	358	1/11

SOURCE: ESARS, Table 96, March 1982

Table 24

Characteristics of Applicants Registered at Job Matching Service Centers by Occupational Category Western Region, March 1982

Local Office	Professional Technical Managerial	Clerical	Sales	Service	Agr. Fish. Forest.	Sales Service Forest, Process, Machine	Machine	Bench- Work	Structural	Miscell.
Northampton	†£†	212	65	272	55	28	117	50	241	140
Greenfield	216	154	÷ 54	158	. 50	25	133	94	6t _l 2	151
North Adams	130	178		170	22	25	88	78	145	166
Pittsfield	223	200	₹	242	143	84	152	143	189	168
Springfield	618	602	188	999	59	85	427	285	367	544
Ware	09	69	5	111	9	15	145	18	43	77
Holyoke	177	223	89	158	145	141	500	110	901	150

Source: ESARS Table 96, March 1982

-ES JOB BANK OFENINGS IN REPORTING DISTRICTS
BY OCCUPATIONAL CATEGORY
SPWG/CH/HOLY MASSACHUSETTS

TARTER TO THE TA		400000000000000000000000000000000000000	OPENINGS AVAILABLE	AVA	IL ABLE	ARDRARDRARDRARDRARDRARDRARDRARDRARDRARD		PENIN	S UNFIL	LED	OPENINGS UNFILLED AT MONTH END	END	* * *
OCCUPATIONAL CATEGORY		NUMBER	***************************************	* * *	AVERAGE PAY	E PAY *		TOTAL		* *	DAYS	UNFILLED 30	
© CHRYRENT & CHRYRENT & CHRYRENT & STANDARD CONTROL OF CHRYRENGE CONTROL OF CHRYRENG STANDARD STANDAR	* CURRENT	*LASI	MONTH	4 4	CURRENT	PROBNERNISKORRENSKRENDRENGERERGERENDERENSKRENDERERGERERGERERGERERGERENGERERGERERGE	CURRENT	*LASI	MONTH	9 4 4	CURRENT	LAST MONTH	HINOX
TOTAL, ALL OCCUPATIONS	* 434		445		10,519/YR*	10,519/YR* \$ 10,417/YR*	383		007	4 4	172		3
PROFFSSTONAL	* *	* *		4 4	* *	* *		24		4x 4x		a a	
TECHNICAL AND MANAGERIAL	**	* 011	101	4 4	14,178/YR*	14,437/YR*	105	* *	86	4 4	89	« «	53
CLERICAL AND SALES	191	* *	176	44	8,050/YR*	8,024/YR*	170	* *	167	ù d	122	u -a	95
SERVICE	a a .	31 *	67	4 4 -	4.48/HR*	4.46/HR*	23	4 4	0,7	a 42 ·	18	α α ·	1.8
FARMING, FISHERY,	de de ·	d de ·		œ 4 ·	9 4 ·	a da		* *		* *		u tu	
RELATED AND	da da -	a a .	2	u u .	4.20/HR*	5.45/HR*	-	α ·α ·	~	ta de d	INA	a a .	-
PROCESSING	* * .	* * *	11	a a .	4.41/HR*	4.33/HR*	٥	4 4	œ	a -3 -	2	4 4	7
MACHINE TRADES	~ ~ .	¢ ¢ .	05	u 4 -	5.80./HR*	5.49/HR*	12	œ æ ·	32	a a .	5	a a .	25
BENCH WORK	~ * *	23 *	20	α α .	4.32/HR*	4.21/HR*	12	is do	2	u es ·	1	or dr	7
STRUCTURAL WORK	× * *	* * 92	22	u 4 -	6.44/HR		23	te de -	20	* * *	14	or es	7
MISCELLANEOUS	a 4	# # -#	12	α «z	6.93/HR>	4.69/HR*	13	œ «c	16	4 -2	4	or or	7



Table 26
-ES JOE BANK OPENINGS IN REPORTING DISTRICTS
BY CCUPATIONAL CATEGORY
PITTSTEELO MASSACHUSETTS
PAR 1982

PRINCE OF THE STREET OF THE ST		OPENINGS AVAILABLE	**************************************		0.0	OPENINGS UNFILLED AT MONTH END	D AT MONTH EN	
OCCUPATIONAL CATEGORY	* NUMBER	JER.	AVERAGE PAY	PAY	TOTAL	AL.	UNFILLED 30 DAYS OR MORE	ED 30 MORE
CURRENT *LAST MONTH * CURRENT *LAST MONTH * CURRENT *LAST MONTH * CURRENT *LAST MONTH	* CURRENT	LAST MONTH	* CURRENT *LAST MONTH * CURRENT *LAST MONTH * CURRENT *LAST MONTH * CURRENT *LAST MONTH	AST MONTH *	CURRENT	*LAST MONTH *	CURRENT	LAST MONTH
OTAL, ALL OCCUPATIONS	7 92	. 29	\$ 8,881/YR* \$	\$ 9,351/YR*	70	* 55 *	* 9E	36
PROFESSIONAL TECHNICAL MANAGERIAL	=	=======================================	15.466/YR*	16.467/7R*	Ξ		~	7
CLERICAL AND SALES	**	* * *	8,073/YR*	8,126/YR*		**		~ ~
SERVICE	3 2	•	4.02/HR*	3.53/HR*	13	** 5	**	-
FARMING, FISHERY, FORESTRY, AND RELATED	m	Ϋ́I	3.58/HR*	INA LA	m	IN Y	Y T' T	Ą
PROCESSING	NI NA	-	INA	5.00/HR*	INA	**	INA	-
MACHINE TRADES	*	_	5.25/HR*	4.00/HR*	4	-	**	INA
BENCH WORK	75	30	3.50/HR*	3.37/HR*	22	54 *	* *	72
STRUCTURAL WORK	9	m	4.67/HR*	5.00/HR*	•	* * M	* * M	~
MISCELLANEOUS	m		4.37/HR*	4.18/HR*	~	-	-	INA



Table 27

-TOTAL ES JG, DANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY DIVISION AND JOB TITLE
SPNG/CH/ONG PASSACHUSETTS

· · · · · · · · · · · · · · · · · · ·	serresserresserresserresserresserresserresserresserresserresserresserresserresserresserresserresserresserresser OPENINGS WAILEDES OPENINGS WITHEE JOB 1171LE	eseseseseseseseseseseseseseseseseseses	orrorrirerorrorrorrorrorrorrorrorrorrorrorrorro	OPENINGS	UNFILLED *	OPENINGS UNF	ILLED 30 DAYS
*****	A TOTAL A AVERAGE PAY C TOTAL C AVERAGE PAY C TOTAL A AVERAGE PAY C TOTAL A AVERAGE PAY C TOTAL C AVERAGE PAY C	* TOTAL	* AVERAGE PAY *	TOTAL	* AVERAGE PAY t	TOTAL	* AVERAGE PAY
TOT AL,	L, ALL OCCUPATIONS	* 434	\$ \$ 10,519	383	\$ 10,765	172	\$ \$ 10,371
3	8. 1 PROFESSIONAL TECHNICAL AND MANAGERIAL	110	14,178	105	277"70	8	14,477
	003 ELECTRICAL AND ELECT ROVICS ENGINEERING	×**	20,876 **	50	20,876	M	* 17,127
	OUT MECHANICAL ENGINEERING	αυ * * *	17,550 #	œ	17,550	9	17,333
	O1 ARCHITECTURE AND ENGINEERING	** 4	16,603	12	16,603	9	* 17,555
	UIZ INDUSTRIAL ENGINEERING	* 10	* 16,779 *	10	16,779 *	\$	327,81
	US DRAFISME AND RELATED	**	12,948	-	12,948	Quar.	12,948
	UIV ARCHIIECTURE AND ENGINEERING, N.E.C.	\$ 4 4 4	* 18,500 *	-	18,500	0	0
65	S	***	15,5(8 * 16,386 * 16,386	V/3	15,508 **		14,955
	UZY MATHEMATICS & PHYSIC AL SCIENCES, N.E.C.	## 42 4	12,000 *	-	12,000	0	0
	04 LIFE SCIENCES 04 LIFE SCIENCES	* * * *	11,667	MM	11,667	- parque	12,000
	07 MEDICINE AND HEALTH	~~	11,869	1 0000	11,902	76	12,861
	U/9 MEDICINE AND HEALTH,	× * *	11,949 *	5	4 676"11	3	* 13,259
	09 EDUCATION CC AND	10	13,918	10	13,918	9	13,836
	ON CALLEGE AND UNIVERSITY EDUCATION	نب د * *	16,860	2	16,860	2	17,667
	SON MINDER STREET FOR SON MINDER STREET STRE	۲ * * *	9,627	~	229'6	~	805,9
	099 EDUCATION, N.E.C.	8 48 48 4 dampin	11,000,51	Amodato	13,000	-0	11,000
	10 MUSEUM LIBRARY AND ARCHIVAL SCIENCES	p	** 007'6 **	-	* 007'6	0	0



TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE SPNG/CHC/HOU/E MASSACHUSETTS

*****	s AVERAGE PAY STOTAL SAVERAGE SAGE SAGE SAGE SAGE SAGE SAGE SAGE S	a TOTAL	在	TAILUI AL PARABAN	A PROPERTY OF THE PROPERTY OF	10101	* AVERACE FAT
	100 LIBRARIANS	**	007'6 \$	-	\$ 6,400	0	0
11	11 LAW AND	u * * *	0 241	v	0 241		0 251
	110 LAWYERS	* **	12,580	2	12,500	n~ı	12,200
	PRUDENCE, N.E.C.	™	896,9	٣	896,9	m	896,9
13	13 WRITING	u 41	* 11,700 *	-	11,700 *	_	11,70
	131 WRITERS	* *	* 10,701	_	90,11	-	۳, ا
15	ENTERTAINMENT AND	. 40 4	00706	•	10 / 02	-	10 /0
	RELEGATION	- -	m, n	-	90,00	-	
	RECREATION, N.E.C.	*	* 10,400	-	10,400	-	10,400
16	ADMINISTRATIVE.	* ** *	× 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ç	17 / 00	U	10 200
	160 ACCOUNTANTS AND	71 * *	# OC 7 11 #	31	* 000		40194
	AUDITORS	*	* 17,338 *	•	17,338 *	~	17,931
	MANAGEMENT ANALYSIS		20,000	-	20,000	-	20,000
			* 17,000 *	-	17,000 *	0	0
	MANAGEMENT	* *	* 25,000 *	-	25,000	-	25,000
		* *	* 13,000	-	13,000 *	0	
	169 ADMINISTRATIVE SPECIALIIES, N.E.C.	< * *	13,010	~	13,010 *	0	0
92	MANAGERS AND	4 4	* *		* *		
?	OFFICIALS N.E.C.	\$ 23	14,045	23	14,045	17	13,705
	MANAGEMENT	. 4.	* 15,000 *	-	15,000 *		15,000
	UTILITIES	-	* 20,800	-	20,800	-	20,800
	TRADE MANAGEMENT	-	* 9,360 *	-	9,360 *	0	0
		~ ∩	* 20,333 *	m	20,333 *	~	15,000
		* 10	12,759 *	01	12,759 *	2	12,317
	188 PUBLIC ADMINIS.	¢x	4		•		

ENTRE CE

***************************************	**************************************	* OPENINGS	* OPENINGS AND	DPENINGS DPENINGS TOTAL	OPENINGS UNFILLED **********************************	######################################	ILLED 30 DAYS
	189 MISC. MANGERS AND OFFICIALS N.E.C.	***	\$ 9,048	9	\$ 9,048	\$	761.6 \$
	19 MISC. PROFESSIONAL TECHNICAL MANAGERIAL	4 4 4 4	10,218	W.	10,961	M	10,608
	ACENIS AND APPRAINERS. N. E.C.	**	* 8,375	M	9,142	goo	11,825
	195 SULIAL AND WELFARE NORK	10	11,507	10	11,507	~	10,000
2	CLERICAL AND SALES	191	8,050	170	8,087	122	002,7
	20 STENOGRAPHY, TYPING, FILLING, AND RELATED, 201 SERRETAILS, 303 STENDERSOLES	* * * * *	800-0 800-0		8000 7770 60770 60770	õnc	10,078
6	203 TYPENSTS & TYPEWRITIN G MACHINE OPERATORS 206 FILE CLERKS	***	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		8,459) 4M	8,763
7	207 DUPLICATING-MACHINE OPERATORS FENDERS	**	* 8,320		8,320	-	8,320
	ZUY STENOGRAPHY IYPING FILING & REC WRK NEC	~	867,8		8,498	M	9,636
	21 COMPUTING AND ACCOUNT - RECORDING	2	* 7,435	8	2,405	53	0,540
	KEEPING MACHINE OPS.	**	7,566	M	7,731	~	8,060
	TELLERS	87	7,123	57	7,112	77	7,103
	ALCIENCIAL BATA PROCESSOR	2	7,280	~	7,280	0	0
	100	2	* 7,488	~	887"/	0	0
	S DUTY ROSTER-CLERKS	2	8,814	2	8,814	ç	7,643
	STATISTICAL CLERKS - STATISTICAL CLERKS	00 8 48 4	* S.204	00	8,204	~	7,384
	MACH. OPERATORS, NEC	**	* 6,968	, m :	* 896,9	<u></u>	\$96,9
	ACCOUNT RECORDING	9	8,476	m	8,563	~	8,563
	22 PRODUCTION AND STOCK CLERKS	53	2,036	58	7,039	88	7,039

--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY BY .. : UPATIONAL CATEGORY DIVISION AND JOB TITLE SPIG/CHC/HOJOP MASSACHUSETTS FEB 1982

	**************************************	A B OPENING A S S S S S S S S S S S S S S S S S S	**************************************	OPENINGS	OPENINGS UNFILLED	POPENINGS UNFILLED 30 DAYS PROPERSOR OF SERVICES AS A SER	ILLED 30 DAYS
	222 SHIPPING, RECEIVING, AND STOCK CLERKS	2	\$ 7,036	28	\$ 7,039	28	650'2 \$
	23 INFORMATION AND MESSAGE DISTRIBUTION 230 HAND DELIVERY AND DISTRIBUTION	****	7,176		7,176	00	0 0
	24 MISCELLAMEOUS CLERICAL 245 GAVERNHENT SERVICE CLERKS, N.E.C.	****	9,877		9,877	00	00
	25 SALES OCCUPATIONS, SERVICES 250 SALES OCCS, REAL STATE & INSURANCE 251 SALES OCCS, BUSINESS & FINANCIAL SERVICES	11 13	12,031 12,327 10,400	2 = -	12,167	m m 0	13,200
	26 SALESPERSON CONSUM- ABLE CONTOINTIES 261 SALESHORK TEXTILE PR OD, APPAREK E & NOTIONS		11,800	0 0	00	00	G C
	27 SALESPERSONS, C. C. COWOOD TISS, N. E. C. C. C. COWOOD TISS, N. E. C. C. COWOOD TISS, N. E. C. C. COWOOD TISS, N. E. C.	*******	8,266 7,800 12,000 7,566	% ~ ⊢ m	8,396 7,800 12,000 7,592	~ 0 0 ~	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	29 MISCELLAMEOUS SALES OCCUPATIONS 200 SALES CLERKS 290 SALES CLERKS 290 MISC.SALES OCCUPATIONS, N.E.C.	242444 242444	7, 579 7, 020 11, 215	₩ <u></u> 4	7,039	€ ~	, 786 6,968 6,968
m	SERVICE 30 DOMESTIC SERVICE 301 HOUSEHOLD AND 501 RELATED WORK		3,45	2 -	3.45	8 - 0	5.09



Table 27
--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
SPNG/CHC/HOL MASSACHUSETTS
SPNG/FEB 1982

E E E	JOB TITLE ** OPERINGS AVAILABLE ** OPERINGS UNFILLED 30 DAYS ** OPERINGS AVAILABLE ** OPERINGS AVAILABLE ** OPERINGS OF AVAILABLE ** OPERINGS OF AVERAGE PAY ** TOTAL ** *	* OPENING * TOTAL	** OFFININGS AVAILABLE * OPENINGS UNFILLED ** OFFININGS UNFILLED 30 DAYS *** OFFININGS AVAILABLE * AVERAGE PAY * TOTAL * AVERAGE PAY * AVERAGE	OPENINGS 44 44 44 44 44 44 44 44 44 44 44 44 44	OPENINGS UNFILLED	* OPENINGS UNFILLED 30 DAYS	WILLED 30 DAYS	30 DI
4 4 4	SO DOMESTIC SERVICE 4 \$ 3.35 \$ 1 6 \$ 3.35 \$ 1 6 \$ 3.35	**************************************	**************************************	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.35		61 62 63 64 64 64 64 64 64 64 64 64 64 64 64 64	3.35
	31 FOOD & BEVERAGE PREP ARATION & SVC OCCS MAITERS/WAITRESSES	* * * *	x x x x x x x x x x x x x x x x x x x	w	3,43	****		2. 2.5.
	313 CHEFS AND COOKS, HOTELS & RESTAURANTS	™	\$ 5°53 \$	-	6.25	* 4 4		6.25
	32 LODGING AND RELATED SERVICE OCCUPATIONS	M1	3,45	\$PEO	3,35	0		
	AND INSTITUTIONS	M	3,45 **	-	3.35	0	s 4s 4	_
	35 MISC. PERSONAL SERVICE OCCUPATIONS 353 GUIDES	2 4 4 4 	**************************************	\$100 deco	*** **** **** ****	°°°		
	355 ATTEN. WORK HOSPITALS MORG. AND REL. HEALT.S	2	3,35 *	0	0	0	es ex -	_
	37 PROTECTIVE SERVICE OCCUPATIONS	* * *	\$ 5.54 *	13	5.54	15	7 4 4	5.75
	373 FIRE FIGHTERS, FIRE DEPARTMENTS	**	* 5.52 *	٥	\$ 5.52	o.	4 4	5.52
	200	**	* 6.35 *	€0	* 6.33	~ \	a a .	6.33
	3/6 POLICE AND RELATED WORK, EXC.IN PUB.SERV		3,35 *	-	3.35	0	e er e	
	38 BUILDING AND RELATED SERVICE OCCUPATIONS 382 JANITORS	~~~	88	p eropero	88.7	oo	s 4s 4s 4s 4	
4	FARMING FISHERY, FORESTRY, AND RELATED		**************************************	geno.	08.4	0	* * * * *	0
	40 PLANT FARMING OCCUPA	* * *	× × × × × × × × × × × × × × × × × × ×	•	08.4		* * *	_
	. 406 GARDENING AND GROUND SKEEPING OCCUPATIONS	(4 (4 (* 08.4	-	08.7	. 0	લવર	
	48 ANIMAL FARMING	* * *	5	c			7 CL 10	-
	110 DOMESTIC ANIMAL FARM ING OCCUPATIONS	. ~ «	3.90 *	. 0			l da da	



"--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY JUPATIONAL CATEGORY DIVISION AND JOB TITLE SPRIG/CHE/JOB/2 MASSACHUSETTS

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****	,我们是这个人,一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一	在	数 の の の の の の の の の の の の の の の の の の の	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	*****	2.公司公司公司公司公司公司公司公司	在 10 10 10 10 10 10 10 10 10 10 10 10 10	0 40 40 40 40	4	de d
	SHOTTAGEDON STREETS ST	4 4	•	* *		•	*	* *	•	c
	4.5 FOREST COUNTY TONS	<i>3</i>	^	a 4	- ·	•		* *	^	0
	OCCUPATIONS	3		0	0	0		• 0		0
\$	PROCESSING	10	4.	4.41 4	•	76.7	a a	• •		6.02
	52 PROC. FOOD. TOBACCO.	d da	* *	de de	* *		a 4	4 4		
	200	2	, J.	3.35 *	0	0		* 0		0
	ING & REL PROD NEC	~	۳°	3.35 *	0	0				0
	53 PROCESSING OF PAPER			2 4 4 4 2 2 2 3	^	¥ 53	a 4 4	* *		25 9
	534 CALENDERING, SIZINS, COATING, AND RELL WORK	. ~	. 0	6.53 *	. ~	6.53	4 4	* *		25.9
	55 CHEM PLASTICS, SYNTH RUBBER, PAINT PROCESS	***		* * * 2	4	4.15	* * *	* * *		5.00
	CUPAT	***	***	5.8	****	\$ £	***	2 4 2		S.0.
•	MACHINE TRADES	22 *	. 2	5.80 *	212	5.84	, 10	* *		5.78
	60 METAL MACHINING. OCCUPATIONS	4 4 4 V	* *. a	** 95.7	. ·.	7.56	***			\$6.95
	600 MACHINISTS AND RELATED OCCUPATIONS	2	,	* 56.9	2	6.95	* *	* *		6.95
	601 TOULMAKING AND RELATED WORK 603 ABRADING	~~ a 4 a	œ'n.	2.25 *	O#-	8.25	* * *			6.50
	62 MECHANICS AND MACHINERS	4 4 4	٠,		*	5.50	***	* * *		2.00
	620 MTR. VEHICLE & ENGIN	7		5.25 *	m	5.33	4 4	* *		7.50
	AND REC.MECHANICS		٥.	6.00		9.00		4 4 4		6.00
	63 MECHANICS AND MACHINERS	.	, ,		4	6.50				2.00
	MACHINESS AND COMMERS MACHINE REPAIRERS	4	۰,	5.00	-	5.00		a a		5.00
	ATION & REPAIR OCCS.	m	۲.	* 00.7	~	7.00		* *		0



BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE SPUG/CHIC/HOVE MASSACHUSETTS FPEB 1982

65 PRINTING OCCUPATIONS 65 PRINTING OCCUPATIONS 65 PRINTING OCCUPATIONS 65 PRINTING OCCUPATIONS 66 PRINTING OCCUPATIONS 67 PRINTING OCCUPATIONS 68 PRINTING OCCUPATIONS 68 PRINTING OCCUPATIONS 69 PACHINE PRASE OCCUP 60 PACHI	* TOTAL * AVERAGE PAY * 101AL * AVERAGE PAY * AVERAGE PAY * 101AL * AVERAGE PAY * AV)	TOTAL	AVA **	A AVERAGE PAY &	01 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	TOTAL	A AVER	A AVERAGE PAY a	* TOTAL ** AVERAGE PAR ** ** TOTAL ** AVERAGE PAR ** ** TOTAL ** T	4	AVEN SPOPP	# AVERAGE PAY
### PRINTING CUPATIONS \$25 PRINTING AND \$25 PRINTING COUPATIONS \$26 PRINTING COUPATIONS \$27		42 4		-ax -1		* 1		44 4		* *			
651 RETITIOG AND 652 PRINTING AND 652 PRINTING AND 652 PRINTING AND 652 PRINTING AND 653 PRINTING AND 654 PRINTING AND 655 PRINTING AND 655 PRINTING AND 656 PRINTING AND 657 PRINTING AND 658 PRINTING 658 PRINTI	65 PRINTING OCCUPATIONS	# 4z	9	* *	4.71	t de	•	₩	6.73	x 4z	~	246	5.(1)
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655 PRINTING OCCUPATIONS 659 PRINTING OCCUPATIONS 650 PRINTING OCCUP		-a -a	w	4 4	24	* 4	w	4 2	3.v.	en es	` ·		5
### ##################################		¢	,	41		đ	ð	à		48		_	
######################################		4	-	a ·	(6.9)	*	gree	* *	00.4	44 4	" ·		
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FARTER OF TEXTILES FARTER		& •	ę	er e	26 6	*	•		37. 1	**			
######################################	ARS KNITTING OCCUPATIONS	a a	E D	tr da	0.0	ar -ar	-	a a	0.0	B dz	- T		
MACHINE TRADES OCCU- PAJONISC. M.E.C. PAJONISC	EXCEPT HOSIERY	t de -	e nc	- 4x -	3.75	e da -	-	**	3.75	· da ·	0		
FATIONS N.E.C. NCH WORK WELL WORK W		a tr		ta da		tr oz		t ex		Dr da		_	
WINGLATIONS, N.E.C. WINGLATE WORK WO	PATION	u	e	4	4.75	45	p ero	•	4.75	er -	0	_	
HET HOUSE STATES AND S	699 MISC. MACHINE WORK	ন ক	que	* u	52 7	ds ds		* 4	52 7	4 4	· ·		
HETAL PRODA, FAB. ASS HETAL PRODA, FAB. ASS FOUR PASSER, REPAIR FOUR PASSER	CLOS ALLONS, MARACE	1 40		ı ər		- da		. 42	•	a			
HETAL PROD, FAB. ASS ENGLY & REFLICATION TOP FAB. SSILWR REPAIR OF TOP FAB. SSILWR REPAIR TANG TOP FAB. SSILWR REPAIR TANG TOP FAB. SSILWR RELEASE OF TOP FAB. SSILWR REPAIR TANG TOP FAB. SSILWR RELEASE OF TEXTIL OF TOP FAB. SSILWR REPAIR TANG TOP FAB. SSILWR RELEASE OF TEXTIL OF TOP FAB. SSILWR REPAIR TANG TOP FAB. SSILWR RELEASE OF TEXTIL OF TOP FAB. SSILWR RELEASE OF TEXTIL OF	7 BENCH WORK	4	23	4:	4.32	**	21	tr e	4.32	4 1	11		4.30
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## ## ## ## ## ## ## ## ## ## ## ## ##	JEWEL SILWRE REL	e de	¢~	t dt	5.00	r 4s -	,- -	44	5.00	. 42			5.0
## ## ## ## ## ## ## ## ## ## ## ## ##	OF METAL PRODS. NEC	e e	d esc	在在	6.35	or to	que.	* *	6.35	·2 #	-		6.35
0		¢. •		42 +		3 4		4 4		*	** '		
726 ACCURENT, REF. 726 ACCURENT, REF. 726 ACCURENT, REF. 727 ACCURENT, REF. 729 ACCURENT, REPAIR OF ELE. 729 ACCURENT, REPAIR OF ELE	OF ELECTRICAL EQUIP.	a da	17.	x 42	4.32	× ÷x	16	2 42	4.34	a de	•		6.0
728 OF ELEC WIRE & CAQUE 5.30 4.37 5.30 6.27 6.27 6.27 6.27 6.22 6.27 6.22 6.22 6.23 6.22 6.23 6	C.COMPON. & ACC., NEC	4 4	-	de de	4.20	αα	5	or ex	4.23	* *	• •		0.7
729 ASSEM & REPAIR OF E	OCCS. IN FABRICATI	4 4	v	4 4	12.3	44	5	4 4	14.7	4: 4:	* "		
PAINTING DECORATING AND RELATED OCCS ALSPRAY PAINTING ALSPRAY AND ALSPRAY AND ALSPRAY PAINTING ALSPRAY AND ALSPRAY	ASSEM & REPAIR	41 41		41 -(1	2	ù ti		es es	(A) 5	-ar -(a			
AND ARE ELECRATING AND ARE	7	t da :	io.	e de	0000	: -(x :		. 41	200	ı dı			
741 SPRAY PAINTING TO 4.50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		es es	-	dr dz	6.50	o	0	u a	0	* *	~ ~		
FAB/REP OF TEXTILE LEATHER REL. PROG. 3 3 3 5 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	741 SPRAY PAINTING	* *	-	a :	4.50	* *	0	a c	0	* *	•		
SENING SENING	FABIREP OF TEXT	: 4: 4:	M	e de de	2 25	· * *	po	1 42 42	\$ 15	. 4 9	· " °		
	E SEV	d) (¢		¢	1 (4		¢	· "		

Service Constitution

化	«врядний видерий выдары в праводний выдарьной выдарьной выдарьной выдарьной выдарьной выдарьной выдарьной выдар В ОРКИИЗ WILLE 30 ОРКИИЗ ВИТЕР В выдалися выдарьной выдар выдарьной выдар выдарьной выдар выдарьной выдар	racases esses es casas esses es	2 A . 3	A ILABLE A	onsakrassaksakskakskakskakskininkininkeskininkelkakskaksekskanineskeskeskeskininke 8 sakon operaksininkeskininkeske 8 sakon operaksininkeskininkeskeskeskeskokokokokokokokokokokokokoko	seessessessessessessessessessessessesse	s OPENI	acesses es e	LLED 3	O DAYS
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	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	et ·	4	*		4	-tx			
	HER & REL PROD. NEC		α α	3.35 *	-	* \$ 3.35	ox ox	0	~	0
æ	STRUCTURAL WORK	. 92	φ q	* 55.9	23	* 6.22	~ a	2	44	7.06
	80 OCCUPATIONS IN METAL FARRIACTION, N.E.C.	~ ~	a -2 &	5.00	2	. 5.00	* * *	~		5.00
	BUG TRANS. EQUIPMENT	4 A A	* *	3.50 *	-	3.50	a 4	-		3.50
	EQUIPMENT, INANSPORT.	* * *	¢ # -	6.50	que	* 6.50	es es ·	-		6.50
	82 ELECTRICAL ASSEMBING INSTANTANT	10		6.18	13	* 6.01	a 4 4			6.35
	623 ELEC. COMM. DE F. LIG. EQU. ASSEM. INST. REP.	4 4	4 4	5.0.	-	* 5.00	# 41	0		0
	824 LIGHT EQU. & BLD WIR ASSEM: INST. REP. NEC	.	* *	7.26 **	~	06.90	* 4	, w	4 4	6.9
		~	a a	\$.29	7	* 5.29	4 4	v.	* *	5.80
	SCY INSTAL REP. OF ELECTR ICAL PRODUCTS, N. E.C.	2	44	7.75 *	2	4 7.75	* 4	-		67.7
	84 PAINTING, PLASTERING WATERPIT, CEMENTING	0 0	* * *	* 05.9	•	6.00	a a 4	~		8.0
	84U CONSINUCTION AND MAINT, PAINTERS 841 PAPERHANGING	***	* * *	*** 88. 89.	77	\$ \$ \$00.5	* * *	~0		8.0
	86 CONSTRUCTION OCCUPATIONS, N.E.C.	***	***	15.58	-	* 15.58	* * *	po		15.58
	BOZ PLUMBERS, GAS FILLING STEAM FITTING OCCS.	**	4 4 ·	15.58 *	-	* 15.58	* # ·	~		15.58
	89 STRUCTURAL WORK OCCU	***	a 4a 4a 4	3,35 *	-	3.35	2 4 4 ·	0		0
	NORK OCCS., N.E.C.	_	x 4x 4	3.35	-	3.35	de de d	0		0
6	MISCELLANEOUS	71	4 4	6.93	13	7.19	u ex e	3		6.42
	90 MCTOR FREIGHT OCCUPATIONS	* * *	x 4x 4x	* 72.7	\$	4.74	a > 4	-		3.35
	904 IRAILER-IRUCK DRIVING	~	44 44 44 44	5.12 *	2	* 5.12	4 42	-		3,35

Ser. Par.

Table 27

--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY BY OCCUPATIONAL CATEGORY DIVISION AND JOB TITLE SPNG/FG/NOLY MASSACHUSETTS

ARRENDES NEW TRANSPORTED TO THE TOTAL OF THE	A OPENINGS	ARRANGES RANGES RANGES RESERVED FOR THE SERVE OF THE SERVE RESERVED RESERVE	OPENINGS	OCENINGS UNFILLED * OPENINGS UNFILLED 30 DAYS CONFOCRATION OF THE STATE OF T	OPENINGS U	PERCENTER SERVERS OF THE SERVERS OF
905 HEAVY TRUCK DRIVING	2	* 5 4.18	2	61.7	0	0 \$
92 PACKAGING/MATERIALS HANDLING OCCUPATIONS	.	6.03	٣	6.87	2	* 8.63
STORING OCCO.	* * *	3.50	0	0	0	0
HANDLING OCCS,N.E.C.	×1	6.87	~	6.87	~	8.63
95 PRODUCTION AND DIST. OF ULILITIES	**	11.04	7	11,04	0	0
FIGURERIA OF OF	***	2.00	-	\$ 00.5	0	0
	™	13.05	₩)	13.05	0	0
97 GRAPHIC ART WORK OCCUPATIONS	-	2.05	-	\$.05	-	\$ 5.05
N.E.C.	-	5.05	-	\$.05 *	-	\$0.05



-TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY OCCUPATIONAL CATEGORY DIVISION AND JOB TITLE PITTSFIELD PARSACHUSETTS
PAR 1982

	* OFENIAS AVIERACE * OPENIAS AVIERGE * OPENIAS OF THE SAME * OPENI	Para para para para para para para para	**************************************	OPENIOR WILLED	**************************************	* OPENINGS UNFILLED 30 DAYS ** OPENINGS UNFILLED 30 DAYS ** ** ** ** ** ** ** ** ** ** ** ** **	TLLED 30 DAYS
TOTAL,	TOTAL, ALL OCCUPATIONS	# 1	* * 0,001 *	* 07	\$ 9,310	36	076'6 \$
0 & 1	O & 1 PROFESSIONAL TECHNICAL AND MANAGERIAL	=	. 15,466	=	15,466	~	17,691
0	O1 ARCHITECTURE AND ENGINEERING	***	20,667	4	20,667	m	20,556
	ENGINEERING	· • •	20,667	· ·	20,667	m	20,556
9	04 LIFE SCIENCES 045 PSYCHOLOGY				88,32	00	∞
0	OF MEDICINE AND HEALTH	-	12,168	-	12,168	-	12,168
	N.E.C	-	* 12,168 *	-	12,168	-	12,168
-	16 ADMINISTRATIVE SPECIALIZATIONS 166 PERSONNEL AND	-	25,000	-	25,000	-	25,000
	TRAINING ADMINIS.	-	\$ 25,000	-	25,0M	-	25,000
-	18 MANAGERS AND OFFICIALS N.E.C.		10,072	7	10,072	~	12,500
	187 SFRUIC INDICATE		8,320	-	\$,320	0	0
	MANAGEMENT	<u>ب</u>	10,656	~	10,656	2	12,500
2	CLENICAL AND SALES	•	8,073	* *·	8,073	-	10,400
14	20 STENOGRAPHY TYPING, FILING AND RELATED 201 SERTARIES	· · · · · ·	7,850	~-	2,540	00	
	FILING & REC WAK NEC		7,280	-	7,280	0	0
	ACCOUNT—RECORDING	~	8,939	~ ~	8,939	0	0
	KEEPING MACHINE OPS.	-	8,000	-	8,000	0	0
	ACCOUNT RECORDING	-	* 778,6	-	6,877	0	0
N	22 PRODUCTION AND STOCK CLERKS	-	10,400	e * *	10,400	-	10,400



BY OCCUPATIONAL CATGORY, DIVISION AND JOB TITLE PITTSFILLOR MASSACHUSETTS

**************************************	POPUNICE OPENICATION OF THE CONTROL	A COPENINGS A SERVINGS	POERINGS AND	OPENINGS OPENINGS OPENINGS	DPENINGS UNFILLED BANKS OF A STREET OF A S	# OPENINGS UNFILLED 30 DAYS	ILLED 30 DAYS
	222 SHIPPING RECEIVING	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	\$ 10,400		\$ 10,400	10,400	\$ 10,400
	24 MISCELLANEOUS CLERICAL		8,398	-	8,398	0	
	AL HORK, N.E.C.		8,398	-	8,398	0	0
	ABLE COMMODITIES ABLE COMMODITIES	m ****	896"9	m	896.9	0	0
	OD APPAREC & NOTIONS	m m	896'9	~	896,9	0	0
m	SERVICE	2	4.02	13	4.07	v	3.56
	31 5000 B BEVERAGE PREP ARATION E SVC. OCCS.		300.3	4-	3 8	~	3.88
	NOTELS & RESTAURANTS	2	3.88	~	3.08	~	3.88
	EXCEPT BOMESTIC	-	00.9		9.00	0	0
	33 BARBERING COSNET	P)	3.35	~	3.35	~	3.35
	COSMETOLOGISTS	m	3.35	~	3.35	~	3.35
	35 MISC. PERSONAL SERVICE OCCUPATIONS	~	3.50	~	3.50	0	0
	MORG. AND REL. HEALT.S	2	3.50	~	3.50	0	0
	37 PROTECTIVE SERVICE OCCUPATIONS	~	00°%	~	8.9	0	0
	OCCUPATIONS, N.E.C.	2	* 00.7	~	00.4	0	0
	38 BUILDING AND RELATED SERVICE OCCUPATIONS 582 JANITORS	mm	**************************************	mm	A.A.	garagen.	**** **** ****
-4	FARMING FISHERY, FORESTRE, AND RELATED	m	3.58	m	3.58	0	0



Table 28
--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
PITTSTELD
MAR 1982

***********	**************************************	* OPENINGS	**************************************	**************************************	**************************************	**************************************	LLED 30 (AAAA
	JOB TITLE	* TOTAL	endententententententententententententente	TOTAL	* AVERAGE PAY *	10000000000000000000000000000000000000	* AVERAGE PAY	PAY
			10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	· 在 · · · · · · · · · · · · · · · · · ·			*	***
	40 PLANT FARMING OFFIIPA	* *	••		* 1		_	
	TIONS	~	\$ 3.70	~	\$ 3.70	0	~	0
	SKEEPING OCCUPATIONS	~	3.70	~	3.70	0		0
	41 ANIMAL FARMING	* *	**					
	OCCUPATIONS ANTHAL FARM	-	3.35	_	3.35	0		0
	ING OCCUPATIONS	-	3.35	-	3.35	0		0
9	MACHINE TRADES		5.25	7	5.25	-	8.00	8
	62 MECHANICS AND		* *					
	MACHINERY REPAIRERS 629 SPECIAL INDUSTRY	~ * *	* 6.50	~	4.50	0		0
	MACHINERY MECHANICS	2	4.50	2	4.50	0		0
	65 PRINTING OCCUPATIONS 651 PRINTING PRESS WORK	~~	88.9	~~	88		88	22
~	BENCH WORK	* 42	3.50	22	3.37	- 82	3.35	3 2
	70 METAL PROD. FAB. ASS		* •		* 1			
	EMBLY & REPAIR NEC	œ	3.45	4	3.45	0		0
	STING	œ	3.45 *	4	3.45	•		0
	78 FABAREP OF TEXTILE	* *	* *	:	* *			
	LEATHER & REL. PROD. 787 MACHINE SEWING OPER-	\$2	3.35	90	3.35	æ	3.35	25
	ATORS, NONGARMENT	* 52 *	3.35 *	92	3.35	82	3.35	55
	79 BENCH WORK DOCUMENT OF C	0	* * *	c	* * *			•
	794 OCCS, IN FABRICATION			> (· ·		-
	OF PAPER PRODS., NEC	* *	3.95	0	0	0		0
œ	STRUCTURAL WORK	•	* 4.67	•	* 4.67	m	2.00	9
	80 OCCUPATIONS IN METAL		6	•				
	806 TRANS, EQUIPMENT		00.	*	00.4	* °	-	0
	ASSEM. AND REL. WORK	-	***************************************	-	* 00.4	0		0
	86 CONSTRUCTION OCCUPATIONS, N.E.C.	7	4.75	4	4.75	~	2.00	9



Table 28

-TOTAL ES JOB BANK OPENINGS AND AVERAGE BA OCCUPATIONAL CATEGORY, DIVISIÓN AND JOB PI

	· · · · · · · · · · · · · · · · · · ·	*********	*************	**********	***********	****
JOB TITLE	* OPENINGS AVAILABLE * ** ** ** ** ** ** ** ** ** ** ** **	OPENINGS AVAILABLE a mensecteristrocenterist		UNFTLLED	* OPENINGS UNFILLED 30 DAYS	ILLED 30 DAYS
860 CARPENTAY AND ACT RELATED NORK ACT TO NORK	-	8 5.00	# # # # # # # # # # # # # # # # # # #	5.00	0	0 \$
INSUL INSUL	m	19.4	m •*•	4.67	2	2.00
STATIONAL MORK OCCU		2.00	• • •	5.00	_	2.00
NORK OCCS., N.E.C.		2.00		2.00	,	2.00
9 MISCELLANEOUS	m	4.37	~	4.88	-	19.9
92 PACKAGING/MATERIALS HAMPLING OCCUPATIONS 922 HALEATALS MOULES AND	m	4.37	~	4.88	-	6.41
STORING OCCS. M.E.C.	2	3.55		3.35	٥	0
TAND ON TAND	-	17 7		67 7		• • • • • • • • • • • • • • • • • • • •



Table 29
--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY SELECTED INDUSTRY GROUP
SPHG/CHC/HOLY MASSACHUSETTS
FEB 1982

***********	OPENINGS	OPENINGS AVAILABLE *	OPENINGS	OPENINGS UNFILLED	* OPENINGS UNFILLED 30 DAYS	ILLED 30 DAYS
SELECIED INDUSIKT GKUUP πατακραπακραπακραπορικός που που που 101AL - Ανυξελάς ΡΑΤ α Ανυξελάς ΡΑΤ α Ανυξελάς ΡΑΤ πατακραπακραπακραπορικός που που που 101AL - Ανυξελάς ΡΑΤ α Ανυξελάς ΡΑΤ α Ανυξελάς ΕΑΥ	**************************************	уварасительный поставлений поставлений поставительный поставительный поставительный поставительный поставитель * TOTAL в AVERAGE PAY * TOTAL * VERAGE PAY © TOTAL * AVERAGE PAY PAY PAY * AVERAGE PAY * AVERAGE PAY * * TOTAL * * * AVERAGE PAY * * * * * * * * * * * * * * * * * * *	TOTAL	a avercasesesesesesesesesesesesesesesesesesese	**************************************	a AVERAGE PAY
TOTAL OPENINGS, ALL INDUSTRIES **	757	\$ 10,519 *	383	\$ 10,765	172	* \$ 10,371
TOTAL AGRICULTURE, FORESTRY, AND FISHING (01-09) ** AGRICULTURAL PRODUCTIONLIVESTOCK (02) ** FORESTRY (08) **	~~~	200 200 200 200	000	000	000	000
TOTAL CONSTRUCTION (15-17) * CONSTRUCTION-SPECIAL TRADE CONTRACTORS(17) *	∞	15,305 *	9090	14,971	44	19,542
TOTAL MANUFACTURING (20-39)	44	12,106	86	12,346	67	12,583
DURABLE GOODS (24, 25, 32-39) PRIMARY METAL INDÚSTRIES (33) F AB. MY. HACHINERY, PR., EXCÉPPI ELECTRICA (35) ELECTRICA (35) ELECTRICA (35)	Sum	200000 200000 8000000000000000000000000	\$~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		800000EX	5157.10 6.00.00 6.00 6.00.00 6.00.00 6.00.00 6.00.00 6.00.00 6
INSTRUMENTS OPTICAL GOODS TIME PIECES (38)* MISCELLANEOUS MANUFACTURING INDUSTRIES (35)*	/Tw	2 * * *	ž	30,00	⊃ ~ ~	14,831
NONDURABLE GOODS (20-23 26-31) FOOD AND KINDED FRÖGUITS (20) APPAER AND OTHER FUILSHED PROD., FAB. (23) PAPER AND ALLIED PRODUCTS (22) PAPER HITHING PUBLISHING. RUBBER AND HITE PRODUCTS (28) LEATHER AND LEATHER PRODUCTS (36)	ç-∞u <u>c⊤</u> π	**************************************	2-ruocou		2-nonmn	11.05 55.55
TOTAL TRANS. COMM. ELEC. GAS. SAN. SVC (40-49)» LOCAL TRANSIT AND INTEGURE. HILMY TRANS(4) MOTOR FREIGHT TRANSPORT. AND WAREHOUS. (42) TRANSPORTATION SERVICES (49) ELECTRIC, GAS, AND SANITARY SERVICES (49)	- marino	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	en V-Wenneman/Or	0.000000000000000000000000000000000000	∞	400 400 500 500 500 500 500 500 500 500
TOTAL MHOLESALE TRADE (50–51) NHOLESALE TRADE—BURABLE GOODS (50) WHOLESALE TRADE—NONDURABLE GOODS (51) **	E.E.	9999 8578 8578 900 8578 8588 8588 8588 8588 8588 8588 85	<u></u>	95,056	~~0	8,729 8,729 0,729
TOTAL RETAIL TRADE (52-59)	112	* 7,706 *	101	* 7,779 *	16	7,681



**************************************	**************************************	**************************************	OPENINGS UNFILLED	UNFILLED »	* ¥ *	LLED 30 DAYS
seerementementementementementementementem	TOTAL	* AVERAGE PAY *	TOTAL	* AVERAGE PAY * *********************************	TOTAL	* AVERAGE PAY
TOTAL RETAIL TRADE (52–59) BLOG, MAI, THA GAR, SUP, MOB, HM DEAL (52) FORESTAL HER CHARLOSE STORES (53) FORD STORES AND GAS SVC APPORTING DEALERS AND GAS SVC APPORTING DEALERS AND GAS SVC APPORTING DEALERS BE GOLDP (57) EATING AND DENIKING THE STORES (57) HISCELLANEOUS RETAIL (59)	worn-ño	**********	mornin	8 ~ 0000,000 ~ 0000,000 ~ 0000,000 ~ 0000,000	-P-wows	2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3
AL FINANCE, INSURANCE, AND REAL ESTATE (60-67)* ** NSURANCE (63) ** REAL ESTATE (65)* FOR THE (65)*	×		WWW	Com	2%005mo	5
AL SERVICES (70-89) HOTELS ROUTING HOUSES, CAMPS AND REL. (70) HUGHES SERVICES (75) HUGHSTELS SERVICES (75) HALTH RERUICES (176) HEALTH RERUICES (176) HEA	000 000 000 000 000 000 000 000 000 00		ôvō		&	సూజగ్గాజర్గాన్ ంంగ్ భార్వక్షిక్షిక్షాన్స్ బాస్ట్రిక్షిక్ శివిస్త్రిక్షిక్షాన్స్ బాస్ట్రిక్షిక్షిక్
AL PUBLIC ADAINISTRATION (91-97) ** ********************************	Nar-2	20000 10000	22~~	WALLY WALLY WOWN WOWN	N-SHILL)	15,659 18,833 18,033



TABLE 30
--TOTAL ES JOB BANK OPENINGS WND AVERAGE PAY
BY SELETTED INDUSTRY GROUP
PATTSFELD
PAR 1982

######################################	OPENINGS AVAILABLE	ANABOLOGENE AND ANGELE OF	PENINGS UNFI	Attention to the test of test	OPENINGS L	ILLED * OPENINGS UNFILLED 30 DAYS ************************************	* 5 * >
TOTAL OPENINGS, ALL INDUSTRIES	92	92 4 8 8,881 4	70	\$ 9,310	96	70 * \$ 9,310 * 36 * \$ 9,940	:
TOTAL AGRICULTURE FORESTRY, AND FISHING (01-09) * AGRICULTURAL PRODUCTION-LIVESTOCK (02)		888		000 000 000 000	~~	~	
TOTAL CONSTRUCTION (15-17) CONSTRUCTIONSPECIAL TRADE CONTRACTORS(17)	mm	\$33%	e-tert	\$6.78	~#V	86,58	
TOTAL MANUFACTURING (20-39)	25	8,987	32	9,871	72	796'6	
DURABLE GOODS (24, 25, 32-39) PRIMARY METAL INDÚSTRIES (33) ELEC. AND ELEC. MACH., EQUIP., AND SUP.(36)			V			21,667	
MONDURABLE GODOS (20-33 26-31) APAREL AND OTHER FINISHE PROD., FAB. (23) PRER AND ALLIED PRODUTS (26) PRINTE AND ALLIED AND ALLIED IND (27) RUBBER AND HISC. PARSILES PRODUCTS (36) LEATHER AND LEATHER PRODUCTS (35)	200	~*************************************	NE THE	-007-00 		~,005 ,005 ,005 ,005 ,005 ,005 ,005 ,005	
TOTAL TRANS. COMP. ELECT. GAS. SAN. SVC (40-49). HOTOR FREIGHT TRÂNSPORT. AND WAREHOUS. (42)	mm	888	~~	18;18		13,333	
TOTAL RETAIL TRADE (52-59) AUTOMOTIVE DEALERS AND GAS SVC. APPAREL AND ACCESSORY STORES (56) EATING AND DRINKING PLACES (58)	· · · · · ·	*0000 *0000 *0000 *0000 *0000 *0000		2000 2000 2000 2000			
TOTAL SERVICES (70-89) HOTELS ROOMING HOUSES, CAMPS AND REL. (70) HOTELS REVICES (72) ANUSENIAL AND RECR. SVC. EXCEPT MOVIES (79) HEALTH SERVICES (80) LEAL SEVICES (81) EDUATIONAL SERVICES (81) SOCIAL SERVICES (83)	Onmon-so-	8-00-01-000 8-00-00-00 8-00-00-00 8-00-00-00	ourses	######################################	N=N=M000	######################################	



11,200

9,187

TOTAL PUBLIC ADMINISTRATION (91-97)

OPENING VALUE OPENING UNTILED OPENING STATES	******
OFENING: //AILABLE - OFENING TO THE TOTAL	Automotive One Office One Office None Office One O
AND THE PROPERTY OF THE PROPER	TOTAL PUBLIC ADMINISTRATION (91-97) EXECUTE OF THE CAME GENE COND. EXC (91) JUSTIFE PUBLIC OPPORTAND SHEEF (91) ADMINISTRATION OF HUMAN RESOURCES FGHS. (94) ADMINISTRATION OF ECONOTIC PROGRAMS (95)

In using the occupational data provided by the Division of Employment Security (DES) it is important to know its limitations. The listings include only those jobs filed at DES local offices and do not reflect the total amount of jobs available. Many jobs are filled internally within companies either through promotion or laterial transfer and are not listed with employment agencies. Pay rates listed with job bank are an average of wagescoffered, generally the minimum or entry wage for a position. Actual rates paid are often higher. If an applicant applies at more than one office double-counts may occur in certain tables. Also difficulties occur portraying supply when applicants have more than one skill and qualify for work in more than one occupation.

B. Employment Projections by Occupation

An analysis of occupational needs by industry can be determined by analysis of Job Bank tables29 and 30 for the Springfield-Chicopee-Holyoke LMA and the Pittsfield LMA. These tables provide the number of listed job openings by two-digit Standard Industrial Classification Codes and are a rough indication of industry needs.

Table 31 is an index of high demand occupations taken from a report co-authored by several government agencies titled High Demand Occupations in Massachusetts - 1981. The report is available from the Job Market Research Service.

High Demand Occupations by Major Occupational Clusters

in Massachusetts - 1981

I. Professional and Technical

A. Engineers

- 1. Electrical Engineers
- 2. Industrial Engineers
- 3. Mechanical Engineers
- 4. Drafters

B. Health

- 5. Registered Nurses
- 6. Clinical Lab Technicians
- 7. Dental Hygientists
- 8. Radiological Technologists
- 9. Therapists

C. Other Technical

- 10. Electronic Technicians
- 11. Computer Programmers
- 12. Computer Systems Analysts
- 13. Computer Service Technologists

D. Other Professionals, Managers and Proprietors

- 14. Personnel and Labor Relations
- 15. Bank, Financial Managers
- 16. Buyers, Wholesale and Retail
- 17. Purchasing Agents
- 18. Health Administrators
- 19. Managers, Superintendents of Buildings
- 20. Real Estate Agents, Brokers

II. Clerical Occupations

- 21. Legal Secretaries
- 22. Medical Secretaries
- 23. Other Secretaries
- 24. Bookkeepers
- 25. Expeditors, Production Controllers
- 26. Insurance Adjusters, Examiners
- 27. Receptionists
- 28. Shipping and Receiving Clerks

(continued)

III. Craft Workers

- 29. Carpenters and Apprentices
- 30. Electricians and Apprentices
- 31. Painters and Apprentices
- 32. Plumbers and Pipefitters
- 33. Excavating and Grading Machine Operators
- 34. Heavy Equipment Mechanics
- 35. Air Conditioning, Heating and Refrigeration Mechanics
- 36. Machinists
- 37. Tool and Die Makers
- 38. Radio and Television Repairers
- 39. Opticians and Lens Grinders

IV. Operatives

- 40. Assemblers
- 41. Photographic Process Repairers
- 42. Fork Lift Operatives
- 43. Truck Drivers
- 44. Lathe Machine Operatives

V. Service Workers

- 45. Cooks
- 46. Waitresses and Waiters
- 47. Dental Assistants
- 48. Health Aides
- 49. Practical Nurses
- 50. Child Care Workers

V. Trends in Unemployment

A. Western Region Unemployment

Table 14 presents an overview of the labor force employment, unemployment and unemployment rate for the western region of Massachusetts, which for the purpose of this report includes Berkshire, Franklin, Hampshire and Hampden Counties as well as the Ware and Athol Labor Market Areas. The overall unemployment rate in the western region at 6.4 percent was the same as that for Massachusetts in 1981.

The 1981 annual average unemployment rates for the Athol LMA and the Ware LMA reflect the grip of the national recession.

At the time of the completion of this report, the October 1982 unemployment rates have become available and are presented below for comparison. The table gives monthly data, therefore the rates are not comparable to the annual average rates presented in Table 14. However, the October 1982 and year-earlier figures are an accurate account of what has happened in the western region since 1981.

Table 32 Unemployment Rates - Western Region October 1981 and October 1982

8.1 6.7 15.4	7.2 6.7
6.7	6.7
	6.7
15.4	- 0
	7.8
5.7	4.4
6.7	5.1
10.0	9.4
7.1	6.7
7.8	6.8
7.0	5.1
7.1	7.0
6.1	6.0
7.7.	7.4
	6.7 10.0 7.1 7.8 7.0 7.1 6.1

^{*} Seasonally unadjusted

The October-to-October comparison reveals that all unemployment rates have increased, that the western region now has a slightly lower rate than the state as a whole; that the Springfield-Chicopee-Holyoke LMA may be one of the more stable areas in the state. The most dramatic shift in unemployment occurred in the Athol LMA, which recorded an annual average of 6.8 percent in 1981 and a monthly rate of 15.4 percent in October, 1982, almost double that of the 7.8 percent in October, 1981. The area has been plagued by massive layoffs, shutdowns, and vacation extensions in vital manufacturing industries.

B. Unemployment Insurance Claims Data

Table 33 clearly shows the parallel between claims filed and unemployment rates in the Springfield-Chicopee-Holyoke IMA. As the recession deepened claims increased from an annual average of 7,455 in 1980 to 7,998 in 1981 and jumped sharply to 11,713 in January 1982 (partially for seasonal reasons). A similar pattern is apparent in the Pittsfield LMA (see Table 34).

C. Characteristics of Insured Unemployed

The following series of tables (35,36) present the racial characteristics of claimants by municipality in the various labor market areas and counties in the Western region of Massachusetts. By far the greatest concentration of nonwhites and Hispanics are found in the cities of Springfield and Holyoke. Some 491 of the 542 nonwhite claimants in March 1982 were in Springfield, while some 324 of the 365 Hispanics were from Springfield and Holyoke.

Cities and towns with over 500 claimants (March 1,1982) were Chicopee, Holyoke, Endlow, Springfield, and Westfield in the Springfield-Chicopee-Holyoke LMA and Pittsfield in the Pittsfield IMA. Cities and towns with 250 or more claimants included Agawam, Chicopee, Easthampton, Holyoke, Indlow, Northampton, South Hadley, Springfield, Westfield and West Springfield in the Springfield-Chicopee-Holyoke LMA; Pittsfield and North Adams in Berkshire County; Greenfield in the Greenfield LMA; and Athol in the Athol IMA. Large numbers of experienced unemployed workers live in these particular communities.

Table 33
Unemployment Insurance (UI) Claims Activity
Springfield-Chicopee-Holyoke IMA

		UI Continued	
	UI Continued	Claimants	UI Initial
Date	Claimants	Less Earnings	Claims
		The second section is a second section of the section of the second section of the section of the second section of the section of the second section of the section of	
1979	0		44.
January	7,958	7,459	770
February	8,015	7,454	953
March	8,237	7,759	790
April	6,151	5,717	957
May	4,754	4,397	631
June	4,859	4,455	983
July	5,75 7	5,413	745
August September	5,569 1, 887	5,258	654
October	4,887 4,331	4,079 4,024	473 572
November	4,708	4,344	782
December	6,889	6,377	2,933
December	0,009	0,311	2,733
1980			
January	7,379	6,859	798
February	7,308	6,863	979
March	7,284	6,863	732
April	7,206	6,723	1,155
May	6,901	6,440	1,730
June	6,883	6,499	819
July	8,287	7,916	864
August	8,089	7,743	647
September	6,780	6,404	609
October	6,992	6,610	665
November	7,262	6,813	1,019
December	9,091	8,486	1,656
1981			
January	10,406	9,869	857
February	9,558	9,068	955
March	8,788	8,314	629
April	7,522	7,007	986
May	6,317	5,880	663
June	5,972	5,563	801
July	8,567	8,095	985
August	7,752	7,338	712
September	6,957	6,420	731
October	6,844	6,258	864
November	7,656	7,102	1,035
December	9,634	8,948	2,356

Table 34
Unemployment Insurance Claims
1981 by Months and First Quarter 1982
Pittsfield LMA

Date	Initial Claims Regular Program	Continued Weeks Claimed Regular Program
1981		
January	218	2,394
February	285	2,366
March	166	2,234
April	232	1,806
May	171	1,481
June	152	1,471
July	158	2,103
August	182	2,026
September	362	1,795
October	181	1,730
November	29 7	1,930
December	1,429	2,344
	•	
1981 Annual Average	319	1,973
First Quarter 1982		
January	614	2,846
February	310	2,620
March	31 9	2,699
First Quarter 1982 Average	ge 414	2,722

Table 35 Characteristics of the Insured Unemployed March 1982 Springfield-Chicopee-Holyoke LMA

Cities and Towns	Tribat de a	Nonwhite	Spanish Surname	Other	Not Coded	Total
cities and lowns	anice	MOUMUTEE	Surname	Other	Coded	Total
Total						
Springfield-Chicopee-						
Holyoke LMA	8,304	542	365	48	45	9,304
	0.000		_			- 0-
Agawam	377	2	5	3	-	387
Amherst	130	5	2	•	1	138
Belchertown	112	1	-	-	-	113
Brimfield	35	-	•	40	1	36
Chesterfield	21	-	-	**	7	21
Chicopee	1,136	2	4	2	6	1,150
Easthampton	287	***	100	2	3	292
East Longmeadow	181	1	400	-	-	1.82
ranby	106	•	1	-	-	107
Franville	27	•	1	•	-	28
Iadley	51		-	-	•	51
Hampton.	60	•	40	1	-	61
Matfield	66	-		•	÷	66
Holyoke	638	19	139	7	5	808
Congmeadow	88	1	400	400	•	89
Ludlow	536	2	3	1	1	543
fonson	91	2	•	•	•	93
Montgomery	6	••	69		-	6
Northampton	336	14	2	40	2	344
Palmer	217	1		1	1	220
Pelham	55	•	40	eo		55
Russell	28		460	-	« 0	28
South Hadley	255		1	4	1	261
Southampton	58	40	60	1	-	59
Southwick	115	3	1	1	1	າຂໍາ
Springfield	2,175	491	185	23	20	2,894
Wales	15			-5	-	15
Warren	50	•	40	460	1	51
Westfield	494	3	1.8	-	ī	516
Westhampton	i	2		•	-en	1
West Springfield	362	5	3	2		372
Wilbraham	136	-	,	6	1	137
Williamsburg	59		_		ofts	59

Source: RS 064

Table 36
Characteristics of the Insured Unemployed
March 1982
Hampshire County

Cities and Towns	White	Nonwhite	Spanish Surname	Other	Not Coded	Total
			100			
Total						
Hampshire County	1,390	9	5	8	8	1,420
Amherst	130	5	2	-	1	138
Chesterfield	21	-	-	•	-	21
Cummington	1.0	-	-	1	-	11
Easthampton	28 7	•	-	2	3	292
Goshen	7	-	-	-	ee	7
Hadley	51		-	-	-	51
Hatfield	66	-	-	-	460	66
Huntington	31	-	-	-	1	32
Middlefield	2		-	-	-	. 2
Northampton	336	4	2	-	2	344
Pelham	55	-	-	-	· -	55
Plainfield	10	-	-	-	-	10
South Hadley	255	-	1	74	1	261
Southampton	58	-	-	1	-	59
Westhampton	1	-	-	-	-	1
Williamsburg	59	-	-	-	-	5 9
Worthington	11	-	-	-	-	11

Source: RS 064

Table 37 Characteristics of the Insured Unemployed March 1982 Hampden Consortium

			Spanish		Not	
Cities and Towns	White	Nonwhite	Surname	Other	Coded	Total
Total						
Hampden Consortium	6,768	532	359	41	38	7,738
manipuen consol trum	0,100	عدر	379	72	50	1,150
Agawam	377	2	5	3	•	387
Blandford	18	•	•	-	400	18
Brimfield	35	€		•	1	36
Chester	29	•		•	1 6	_30
Chicopee	1,136	2	14.	2	6	1,150
East Longmeadow	181	1	•	•	-	182
Granville	27	æ	1	40	•	28
Hampden	60	€	•	1	•	61
Holland	3	•	-	-	40	3
Holyok e	638	19	139	7	5	808
Longmeadow	88	1	40	•	• ,	89
Ludlow	· 536	2 .	3	1	1	543
Monson	91	2		-	-	93
Montgomery	6	-	-	-	•	6
Palmer	217	1	-	1	1	220
Russell	28	400	-	-	-	28
Southwick	115	3	1	1	1.	121
Springfield	2,175	491	185	23	20	2,894
Tolland	1	•	•	40		1
Wales	15	•	•	ear.	60	15
Westfield	494	3	18	40	1	516
West Springfield	362	5	3	2	-	372
Wilbraham	136	es.	40	-	1	137

Source: RS 064

Table 38

Racial Characteristics of the Insured Unemployed Pittsfield LMA CETA Areas March 1982

Berkshire Consortium	_		Non-	Chandah		Not
Pittsfield CETA Areas	Total	White	White	Spanish Surname	Other	Coded
	· LUGAL	, AUTOR	MILLOS	Curnada	Jones	couled
Pittsfield Local Office*	1,600	1.558	28		4	10
Alford	2	2		-		
Becket	20	20		-	-	_
Cheshire	57	56		-	1	-
Dalton	68	6	1	-	-	1
Egremont	13	13	-	-	•	-
Great Barrington	160	156	14	-	-	-
Hancock	3	3	-	-		-
Hinsdale	40	40	-	-	-	-
Lanesboro	49	48	1	-		-
Lee	183	180	3	-	-	-
Lenox	88	37	•	-	1	•
Monterey	20	10	-	-		-
Mount Washington	1	1	•	-		-
New Marlborough	3	3		***	•	-
Otis	19	19	-	-	•	-
Peru	_6	- 6	-	-		-
Pittsfield	734	706	19	-	2	7
Richmond Sandisfield	20	19	-	•	**	1
Sheffield	10	10	-	-	-	•
Stockbridge	30	30	-	-	-	-
Tyringham	3 0 8	29 8	-	-		1
Washington	0	•	-	-	40	-
West Stockbridge	25	25	-	-	•	•
Windsor	21	21	-	-	•	-
4 110.801	21	21	•	-	•	-
North Adams Local Office	698	689	5	2	1	1
Adams	247	246				1
Clarksburg	36	35	1	-	-	
Florida	12	ĭí	-	-	-	
Monroe	2	2	-	-	-	
New Ashford	1	1		-	-	
North Adams	322	318	2	2	-	-
Savoy	20	20	-	-	-	-
Williamstorn	58	56	2	-	-	-
Berkshire Consortium	2,298	2,247	33	2	5	11
Great Barrington Local Office	229	225	5	-	-	
Alford	2	2	•	-	-	-
Egremont	13	13	-	-	-	-
Great Barrington	160	156	14	-	-	-
Monteray	10	10	•	-	•	-
Mount Washington	1	1	-	•	-	-
New Marlborough Sandisfield	3	.3	-	•	-	-
Sheffield	10 30	10 30		-	-	-
SHELL LETT	30				<u> </u>	
Pittsfield Local Office	1,600	1,558	28		la.	10
Less Gr. Barrington Local Offic	-229	-225	-la	-	-	ш
The Case Desirate State State Office	1,371	1,333	24		14	10
North Adams Local Office	698	689	-5	2	ī	1
Pittsfield LMA	2,069	2,022	29	2	5	11
	-,,	_,	-/	-	,	_

Pittsfield Consortium is the sum of Pittsfield LWA and Great Barrington Local Office

Pittsfield Labor Market Area is the sum of Pittsfield and North Adams Local Office

Table 39

Athol LMA and Ware LMA
Characteristics of the Insured Unemployed
March, 1982

	White	Nonwhite	Spanish Surname	Other	Not Coded	Total
Athol LMA	847	26	10	14	5	902
Athol Barre Erving New Salem Orange Petersham Fhillipston Royalston Warwick Wendell	304 125 21 101 198 11 16 18 26 27	3 23	9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 - 3 3	306 130 21 144 203 11 16 18 26 27
Ware IMA	337	1	1	Ţŧ	œ	343
Hardwick New Braintree Oakham Ware West Brookfield	39 15 22 222 39	1	© © & 45	1 - 2 -	-	40 16 22 226 39

Source: RS-064

Table 40
Greenfield LMA
Characteristics of the Insured Unemployed
March, 1982

			Spanish	l		
City or Town -	White	Nonwhite	Surname	Other	Not Coded	Total
Greenfield LMA	827	5	2	15	2	841
Ashfield	32	-	-	-	-	32
Bernardston	32	-	-	1	-	33
Buckland	9	-	-	-	-	9
Charlemont	16	-	-	-	-	16
Colrain	23	-	-	1	-	24
Conway	21	-	-	-	-	21
Deerfield	84	3	-	1	-	88
Gill	21	-	-	-	-	21
Greenfield	264	2	1	1	-	264
Hawley	2	-	-	40	-	2
Heath	2	-	-	-	-	2
Leverett	18	•	40	-	-	18
Leyden	3	-	-	-	-	3 2
Monroe	2	· -	-	ano.	-	
Montague	133		1	1	2	137
Northfield	16	-	•	-	-	16
Rowe	5	-	-	-	-	5
Shelburne	50	-	-	-	-	50
Shutesbury	15	-	-	-	-	15
Sunderland	55	-	==	-	-	55
Whately	24	-	-	-	-	24

Source: RS-064

Table 41

Labor Surplus Areas Western Area - Massachusetts Eligible for Federal Procurement Preference From June 1, 1982 Through May 31, 1983

City or Town	Labor Market Area	County
Alford	Great Barrington	Berkshire
Cummington	Balance of State	Hampshire
Florida	Pittsfield	Berkshire
Granville	Springfield-Chicopee-Holyoke	Hampden
Holland	Southbridge	Hampden
Leyden	Greenfield	Franklin
New Ashford	Pittsfield	Berkshire
North Adams	Pittsfield	Berkshire
Orange	Athol	Franklin
Savoy	Pittsfield	Berkshire
Tolland	Balance of State	Hampden
Tyringham	Pittsfield	Berkshire
Worthington	Balance of State	Hampshire

Adams	Pittsfield	Berkshire
Brimfield	Springfield-Chicopee-Holyoke	Hampden
Middlefield	Balance of State	Hampshire
Montague	Greenfield	Franklin
Plainfield	Balance of State	Hampshire

Effective: 07/01/82 Area Trends in Employment and Unemployment

U. S. Department of Labor, Employment and Training Administration

VI. Labor Supply-Demand Imbalances

One of the features of the occupational data generated by the Division of Employment Security Employment Service Automated Reporting System (ESARS) is the ratio of unfilled openings to applicants seeking work. In March 1982, the ratio of openings to applicant was 12 to 1 in S-C-H labor market and 11 to one in the Pittsfield LMA (see Tables 22 and 23). This is especially puzzling to the general public in a period of high unemployment. One would think that there would be very few unfilled job opening because of the number of unemployed.

The reasons why openings are not filled by a proportionately much larger number of applicants have been well documented.

Many jobs orders are low paying with unattractive working conditions including inconvenient hours and out-of-the way locations. It is very difficult to fill night shift positions in locations not serviced by public transportation.

Some jobs may require specialized skills that are not available in the applicant pool. Some minority applicants may have difficulty with English.

Employers may be reluctant to hire the very young, the older worker, and the "overqualified". Displaced teachers, young social service graduates, and older workers displaced by plant closings or automation have experienced difficulty in obtaining employment during the economic downturn.

Low paying jobs requiring expensive travel and substantial travel time are not feasible for many jobseekers.

Employers may list more jobs than they intend to fill to either "test the market" or to document the existence of an adequate labor pool necessary to carry out a potential government contract.

Some applicants may have jobs and are searching for other work or more pay.

Family responsibility and lack of day-care facilities may keep parents from accepting particular positions.

Applicants may be finding jobs not listed with the DES, and a time lag occurs before they are removed from the Job Matching Service active applicants file.

Nevertheless, ESARS is the best data available or labor supply and demand.

VII. Individuals in Need of Employment Services

The projected unemployment rates for the Springfield-Chicopee-Holyoke and the Pittsfield LMA's in 1983 for nonwhites is more than twice as high as that for whites. The unemployment rate for nonwhite male youths under 20 years of age in particular is projected to be over 50 percent. (See Tables 5 and 7).

Among the prime target groups for Employment Services are the economically disadvantaged 18 years and over and workers 18 years and over employed part-time for economic reasons found in Tables 44 through 51.

Economically disadvantaged is defined by the United States Department of Labor as person who is:

- 1. a member of a family who received public assistance.
- a member of a family whose income during the previous 6 months or on an annualized basis was such that it:
 - . would have qualified for public assistance; or,
 - . does not exceed the poverty level; or.
 - . does not exceed 70 percent of the hower living standards income level.
- a foster child on whose behalf state or local government payments are made.
- 4. in a position where such status presents significant barriers to employment such as a;
 - A. client of sheltered work shop.
 - B. handicapped individual.
 - C. regular outpatient of a mental hospital, rehabilitation facility or similar institution.

Table 42 gives poverty guidelines for both farm and nonfarm families, and size of family.

In fiscal year 1983 the number of disadvantaged 18 years and over in Springfield-Chicopee-Holyoke LMA will be approximately 41,905 of whom 78.3 percent or 35,181 will be white and 6,724 or 21.7 percent will be nonwhite. Some 12,080 persons will be working part-time for economic reasons 10,192 whites and 1,888 nonwhites.

In Pittsfield LMA the economically disadvantaged 18 years and over in 1983 will number about 11,782, of whom 11,414 will be white and 349 black. Some 2,869 persons will work part-time for economic reasons.

Table43 gives a detailed description of the type of applicants needing services in the Job Matching Centers in the Western region.

During a period of economic downturn, the following groups will be in need of special employability services;

- youth age 16 through 21: even though this age cohort will be a proportionally smaller share of the labor market, they will need special services because they may not have a firm vocational identity, lack skills, lack work experience, and will be competing with reentrants to the labor market for increasingly fewer jobs.
- 2. workers 55 and older: this group will include jobseekers who have been displaced by automation such as typographers, those whose companies have folded after many years of service, widows/widowers, displaced homemakers, and retirees hoping to supplement pensions in order to meet current expenses;
- the economically disadvantaged includes those who have encountered barriers to employment such as limited Englishlanguage proficiency, and lack of completion of high school.
- 4. dislocated workers: this group includes layed-off teachers, ex-government employees, employees whose plants have closed, those who reside in labor surplus areas, and those whose positions have been replaced by word processing equipment, machine tools, CAD/CAM, robots, and other forms of automation.

Table 42

Poverty-Level Guidelines
for 1982 in the Continental U.S.

Family Size	Nonfarm*	Farm**
1	\$ 4,680	\$ 4,010
2	6,220	5,310
3	7,760	6,610
14	9,300	7,910
5	10,840	9,210
6	12,380	10,510

^{*} Add \$1,540 for each additional family member

Source: Office of Management and Budget

^{**} Add \$1,300 for each additional family member

Table 43 Characteristics of Applicants Registered at Job Matching Service Centers Western Region, March 1982

Local Office	Total Active Applicants Female	Female	Dis- advantaged Veterans	Veterans	Nonwhite Minority	Under 22	Over 40	Handicapped
Northampton	1,558	592	275	. 365	77	237	265	Lt ₁
Greenfield	1,279	427	222	283	35	261	236	118
North Adams	1,235	554	285	173	10	389	546	14
Pittsfield	1,646	620	377	304	50	1489	310	58
Springfield	4,148	1,665	928	1,093	1,323	989	1,118	22 4
Ware	386	164	45	98	8	99	72	19
Holyoke	1,491	1 09	223	248	166	358	3:47	742

Source: ESARS Table OG, March 1982

Table 44

Economically Disadvantaged 18 Years and Over Springfield-Chicopee-Holyoke LMA Fiscal Year 1983

Group	Number	Percent of Total
Total	41,905	100.0
White	35,181	78.3
Nonwhite	6,724	21.7

Source: Lawrence Berkeley Laboratory and Labor Area Research Department

Table 45

Estimates of Part-Time Employment for Economic Reasons Springfield-Chicopee-Holyoke LMA Fiscal Year 1983

	-			-
Group	Total	Male	Female	
Total	12,080	5,344	6,736	_
White	10,192	4,434	5,758	
Nonwhite	1,888	910	978	

Table 46

Economically Disadvantaged 18 Years and Over Hampden County Consortium Fiscal Year 1983

Group	Number	Percent of Total
Total	30,497	100.0
White	23,880	78.3
Nonwhite	6,617	21.7

Source: Lawrence Berkeley Laboratory and Labor Area Research Department

Table 47

Estimates of Part-Time Employment for Economic Reasons Hampden County Consortium Fiscal Year 1983

Group	Total	Male	Female
Total	8,870	3,987	4,883
White	7,292	3,216	4,076
Nonwhite	1,578	771	807

Table 48
Estimate of Workers 18 Years and Over
Employed Part-Time for Economic Reasons
Pittsfield Labor Market Area

	Transport of the same of the s	1	
Group	Both Sexes	Male	Female
Total	2,369	1,300	1,569
White	2,617	1,177	1,440
Other	252	123	129

Scurce: Lawrence Berkeley Laboratory and Labor Area Research Department

Table 49
Economically Disadvantaged Persons
18 Years and Over
Pittsfield Labor Market Area

Group	Number
Total	11,782
White	11,414
Black	349
Other	19

Table 50

Estimate of Workers 18 Years and Over Employed Part-Time for Economic Reasons Pittsfield Consortium

		-	
Group	Both Sexes	Male	Female
Total	3,331	1,526	1,805
White	3,013	1,368	1,645
Other	318	158	160
0 01101	323		200

Source: Lawrence Berkeley Laboratory and Labor Area Research Department

Table 51

Economically Disadvantaged Persons 18 Years and Over Pittsfield Consortium

Group	Number
Total	13,103
White	12,676
Black	405
Other	22

VIII. Training Programs

Bay State Stills Corporation

The Bay State Stills Corporation (BSSC) is a state funded organization created in 1981 to provide matching grants to train Massachusetts citizens for jobs in growing private sector industries. A major aim of BSSC programs is to create ongoing partnerships between businesses and academic institutions. The BSSC provides funds for training in such occupations as machine operators, nuclear medicine technologists, tool and die makers, respiratory therapy technicians, registered and licensed practical murses, and electronic technicians.

The BSSC has targeted certain groups to be primary recipients of job training. These include economically disadvantaged youth age 16 to 21 who live in urban areas. This group's high unemployment rate is of concern when considering job training strategies. The program will also provide money for job training of public employees who are among at least 50 persons in a locality whose jobs were eliminated because of Proposition 2½. State residents formerly employed by private companies are eligible for job training if they are one of at least 75 workers who have lost their jobs permanently because of layoffs, shutdowns, or a natural catastrophe involving one or several employers in an area. Finally, individuals receiving public assistance from the state, including recipients of Aid to Families with Dependent Children, are also eligible for job training under the state program.

The Career and Learning Line (CALL)

The Bay State Skills Corporations and the Massachusetts Occupational Information Coordinating Committee are sponsoring a telephone hotline with up to date career and educational information entitled "The Career and Learning Line" (CALL). This service went into effect on April 5, 1982, and offers descriptive information on over 400 different occupations along with specifics on educational and skills training programs available statewide. CALL will operate weekdays from 9:AM to 5:PM. To reach CALL disl 523-7617 in the Greater Boston Area; outside of Boston dial toll free; 1-800-882-2037.

Work and Training Program (WTP)

The Massachusetts Division of Employment Security entered into the Work and Training Program (WTP) on April 12, 1982. This program is designed to assist recipients of Aid to Families with Dependent Children (AFDC) in obtaining employment. Under WTP, DES Job Club Centers will be providing the following basic job search services:

Group Job Search (Job Club)
Individual Employment Search (IES)
Independent Job Search (IJS)

Two of the above three services (Job Club, IES) are intensive five week structure; job seeking activities intended to be provided on an "up front" basis shortly after the initial registration, before an individual is assessed for work experience or training). The third (IJS) is administered after an individual has been unsuccessful in his/her initial five week job search efforts, has been reassessed by the Welfare Department, and has subsequently been returned to the DES Job Club Center for additional job search services.

During their initial five weeks in Job Clubs, or IES, WTP registrants are taught successful job search techniques, as well as given support and encouragement from Job Club leaders or IES counselors. IJS, while not as intensive or structured as Job Club of IES, gives wTP registrants a further opportunity to utilize their recently acquired job search skills over an extended period of time, under the guidance of a Job Club Center staff person.

Vocational Rehabilitation Training

One of the goals of the Massachusetts Division of Employment Security is to find suitable training and employment opportunities for the physically and emotionally handicapped. On a referral basis, the Division works closely with the Massachusetts' Rehabilitation Commission (MRC) towards this end. The Rehabilitation Commission will work both with the client and prospective employer to overcome barriers to gainful employment. The MRC helps employers hire the handicapped by providing:

- a. a screened and tested job-ready applicant.
- b. a job follow-along by professional counselors.
- c. a partial reimbursement for on-the-job training
- d. help with any problems ranging from architectural barriers to compliance with affirmative action.
- e. the expertise of counselors as consultants.

The Morgan Memorial Goodwill Industries is another avenue through which the handicapped can become employed. Morgan Memorial has found that the handicapped can perform many tasks for industry such as: packaging, assembly, salvaging, manufacturing, mailling, crimping, grammeting, color coding, weaving, sorting, bar sealing, preforming electronic components, inspection, and snipping. These tasks and others can be performed well at a labor saving cost to industry, while providing employment and training to the handicapped. It is important for business to realize the benefits of this service in order to keep the handicapped in Morgan Memorial Goodwill Industries working and developing skills. This process may ultimately lead to the handicapped person taking his place in the workforce by being able to secure a job on his own.

Table 52

Post-Secondary Training Institutions in the Western Region, Massachusetts

A. Four Year Private Institutions American International College, Springfield Amherst College, Amherst College of Our Lady of the Klms, Chicopee Hampshire College, Amherst Mount Holyoke College, South Hadley Smith College, Northampton Springfield College, Springfield Western New England College, Springfield Williams College, Williamstown

- B. Four Year Public Institutions
 North Adams State College, North Adams
 University of Massachusetts, Amherst
 Westfield State College, Westfield
- C. Two Year Private Institution

 Bay Path Junior College, Longmeadow
- D. Two Year Public Institutions

 Berkshire Community College, Pittsfield
 Greenfield Community College, Greenfield
 Holyoke Community College, Holyoke
 Springfield Technical Community College, Springfield
- E. Schools of Nursing Diploma Programs

 Bay State Medical Center, Springfield
- F. Practical Mursing Programs

 William J. Dean Vocational School, Holyoke
 Charles H. McCann Technical School, North Adams
 Roger L. Putnam Vocational Technical School, Springfield
 Smith's Vocational High School, Morthampton
 Western Massachusetts Hospital, Westfield

Table 52

Post-Secondary Training Institutions in the Western Region, Massachusetts (continued)

G. Career/Technical Schools

Bookkeeping Service and Workshop, East Longmeadow
Brom's Barber School, Springfield
Business Education Institute, West Springfield
Central Travel Bureau, Springfield
Greater Springfield Board of Realtors Licesne Examination School, Springfiel
Hallmark Institute of Photography, Turner Falls
Real Estate Salesman School, Chicopee
Skills, Amherst
Smith & Wesson Academy, Springfield
St. John's School of Business, West Springfield
Richard Thomas Real Estate, West Springfield
United Technical School, Springfield

JOB MATCHING SERVICES

JOB MATCHING SERVICES are provided to Massachusetts workers through a network of more than 38 full-service DES Job Matching Centers and mini-offices located throughout the State. Each office provides a variety of services geared to help a wide range of workers including those who are job-ready and those who need assistance in making vocational choices or changes. DES Job Matching Centers are listed in the yellow pages telephone directory -- Employment Agency listings -- under "Employment Security".

JOB MATCHING CENTERS are staffed by professional placement interviewers and employment counselors. Job orders received from employers in Massachusetts and other states are listed on a computerized job bank. Local centers receive job orders on film and new jobs are listed on a daily basis. In many offices viewers are available so that job seekers may look at job listings which are complete except for employers' names. Jobs listed are in a variety of occupations and industries, from entry-level jobs to managerial, clerical, technical and professional openings.

VOCATIONAL COUNSELING AND TESTING services are available by appointment in all full-service Job Matching Centers. DES counselors will assist workers who need to make career choices, provide current job market information and assist with job search strategies, such as job interviews and resume-writing. Aptitude and clerical proficiency tests may be available in these offices to help job seekers assess their abilities and skills, Job Search Workshops - focusing on how to write resumes and the correct way to handle a job interview are now conducted in many DES Job Matching Centers.

JOB FAIRS AND JOB RECRUITMENT activities are frequently planned by Job Matching Centers. Job fairs may be organized by DES independently or in cooperation with local organizations such as the Chamber of Commerce, schools or employers. Many employers use the local Job Matching Centers for on-site recruitments to fill jobs when there are a large number of openings available. These events -- job fairs, special recruitments and career days -- benefit job seekers by exposing them to many job openings and by affording them the opportunity to be interviewed by a variety of employers at one location.

COMPUTER - ASSISTED JOB MATCHING is available in a number of Job Matching Centers. The qualifications of each job seeker are entered into the computer system and are matched daily against all job orders received by employers. A print-out is received the following day with a list of qualified applicants, who best meet the employer's specifications, for each job order. The local Job Matching Center them contacts applicants to arrange for interviews.

PIACEMENT SPECIALISTS ARE ASSIGNED to each full-service Job Matching Center to help job seekers with special concerns and needs. Handicapped workers, older workers, veterans and youth, have available trained interviewers or counselors with whom they can consult on job search activities. These specialists have information on special programs when appropriate and on available training and job placement programs.

DIVISION OF EMPLOYMENT SECURITY YOUTH SERVICES

THE YOUTH BRIDGE PROGRAM has been developed by the Massachusetts Division of Employment Security (DES) to help youth to make the transition from school to work. DES staff members work with young people while they are in school helping them to learn about the job market and to develop job search skills. There are three principal components to the DES Youth Bridge Program.

THE IN-SCHOOL JOB MATCHING PROJECT is a Statewide program currently providing services to 25 Massachusetts high schools. DES placement specialists are located in the high schools, usually on a full-time basis, to provide job matching services to students graduating and entering the full-time job market; needing parttime jobs after school; looking for summer jobs. DES specialists provide employment counseling, job market information, job referrals and development of job opportunities. While the In-School Program is targeted to graduating students who will not be continuing their educations, counseling and placement services are also available to help potential high school dropouts find full-time jobs. During the past fiscal year, more than 4500 students were placed in jobs by the DES in-School Program.

THE HIGH SCHOOL GRADUATES INITIATIVE was started in 1981 by DES to help high school seniors throughout Massachusetts make the transition from school to work. DES Job Matching Centers actively worked with 220 of the 303 Massachusetts high schools; 6100 seniors, who were going directly from school to full-time jobs, were registered to receive job placement services from DES. Services provided by DES ranged from interviews on-site at the schools, job workshops, career days, employment counseling, vocational testing, and job referrals. Eleven percent of Massachusetts high school seniors entering the labor market - more than 2300 students - were placed in jobs during the past fiscal year.

THE YOUTH SUMMER JOBS PROGRAM begins in early spring and continues through the summer months. In 1981 more than 8550 young people were helped to find summer employment by DES. Job Matching Center staff members help to place people in private sector summer jobs and in the State summer jobs program, primarily with the Metropolitan District Commission and the Department of Environmental Management.

DES has also offered summer work experience to high school guidance counselors who wish to learn more about the current and future job market and about employment counseling and placement services available to high school youth through DES. Through this innovative program, during the past three summers, DES has forged closer working relationships with 120 school guidance counselors.

DES JOB MATCHING CENTERS provide a variety of services to any young person needing assistance in making career choices or finding employment. DES full-service offices offer employment counseling, vocational testing, job market information, job search workshops, job listings and job referrals.

More information on DES youth programs is available at any DES Job Matching Center, or by calling the Youth Services Division at 727-6580.

JOB SEARCH RESOURCES

There are many resources available to help you in your job search. These may include organizations and publications that you have not considered and which are readily available at little or no cost.

Depending on your past job experience and your future career plans some of the resources below may be more appropriate for you than others. Look at all your options, make a career plan, and begin the full-time job of finling a job. Good luck!

U.S. DEPARTMENT OF LABOR publications can be found in libraries, guidance departments and in Division of Employment Security (DES) Job Matching Centers throughout Massachusetts. These publications include:

Occupational Outlook Handbook, U.S. Department of Labor; a major source of vocational guidance information for hundreds of occupations. Describes what workers do on the job, salary requirements and future availability of jobs.

Occupational Outlook Quarterly, U.S. Department of Labor; a periodical to help job seekers keep abreast of occupational employment developments. Contains articles on emerging occupations, training opportunities and career counseling programs.

Dictionary of Occupational Titles, U. S. Department of Labor; provides up-to-date descriptions for the majority of occupations, and characteristics of most jobs.

Occupational Outlook for College Graduates, U. S. Department of Labor; a publication with information about more than 100 jobs that require education beyond high school.

Employment Outlook for College Graduates in New England, U. S. Department of Labor; current information about job openings furnished by placement directors from a representative sample of New England schools.

While the titles of some of these publications may indicate they are targeted to recent college graduates, these booklets contain valuable job market information for people making job changes and doing career planning.

DES JOB MARKET RESEARCH publications - include data on the occupational and industrial outlook in Massachusetts and on employment rates in the State's major cities and labor market areas. These publications are mailed to libraries and schools and are available in DES Job Matching Centers. They include:

JOB SEARCH RESOURCES (continued)

Employment Requirements By Occupation, By Industry, Occupational/ Industry Research publication, Massachusetts Division of Employment Security; this report forecasts the job outlook in Massachusetts through 1985.

"Put Your Knowledge to Work" -- A Job Market Guide for Liberal Arts Graduates explains which occupations look promising for recent college graduates. The guide provides an industrial profile of Massachusetts, a list of some of the State's largest employers as well as an overview of the fields that offer liberal arts graduates the best job opportunities.

CLASSIFIED ADVERTISEMENTS are an excellent source of career information. In addition to newspaper classified advertisements, similar help-wanted ads appear in professional journals and trade publications. Newspaper classified ads will provide you with a broad range of job openings and an overall view of the current job market in a particular geographical area. Advertisements in professional and trade journals provide job market information in a particular career field. Depending on the distribution of the journal, these openings may be statewide, regional or nationwide. Job seekers can obtain a great deal of information through the analysis of these ads: salary ranges, current job requirements such as education and experience, industries in which jobs are available, and geographical locations.

YELLOW PAGES of the telephone directory, along with industrial and Chamber of Commerce directories list names of firms in various industries that may have jobs open. These directories can be extremely helpful for job seekers who want to develop their own jobs as opposed to responding to help wanted advertisements. The telephone company may have yellow pages directories for major cities in Massachusetts and other states, and libraries usually have copies of Industrial and Chambers of Commerce directories.

SCHOOL, COLLEGE, TRADE UNION AND PROFESSIONAL associations may have jobs listed with them by alumni or members. These sources provide good job leads for people interested in jobs in a particular field or with a particular industry.

DES JOB MATCHING SERVICES are available to all job seekers through a network of more than 42 full-service Job Matching Centers and mini-offices located throughout the State. Placement interviewers and employment counselors will help people to find jobs and will work with individuals who need help in making vocational choices or changes. Computer-assisted job matching is available in a number of offices to provide even more efficient placement services. In many DES Job Matching Centers self-service units are available to job seekers. Microfiche viewers in these units have listings of jobs open statewide. These listings are an excellent source of job market information and can be viewed independently of seeing a placement interviewer. DES Job Matching Centers are listed in the yellow pages telephone directory -- Employment agency listings -- under Employment Security.

APPENDIX

Table 53

Nonagricultural Wage & Salary Employment (1981 Benchmark)

Springfield-Chicopee-Holyoke LMA & Massachusetts

1981 - Annual Averages

(in thousands)

Major Industry Division	Springfield- Chicopee- Holyoke LMA Employment	State Employment	S-C-H LMA Emp. as % of State Employment
Total Nonagricultural			
Employment	235.1	2,654.1	8.9
Construction	6.1	78.3	7.8
Manufacturing	63.6	666.8	9.5
Transportation &			
Public Utilities	9•3	119.8	7.8
Wholesale & Retail Trade	48.2	575.1	8.4
Finance, Insurance			
& Real Estate	13.4	164.0	8.2
Services	48.0	663.6	7.2
Government	46.5	386.5	12.0

Source: Current Employment Statistics Program

Table 54

Total Employment-for 48 Selected 3-digit SIC Industries 1/
S-C-H LMA and Massachusetts - 1981 Annual Averages

sic	Name of Industry	Springfield- Chicopee- Holyoke IMA Employment	State Employment	S-C-H LMA Employment, as % of State Employment
	Manufacturing			
202	Dairy Products	1,375	4,971	27.7
262	Paper, Mills, except Bldg. Paper	er 1,205	5,628	11:4
264	Misc. Converted Paper Prods.	4,440	12,574	35•3
265	Paperboard Containers & Boxes	1,595	8,181	19.5
271	Newspapers	1,702	13,219	12.9
275	Commercial Printing	1,184	14,751	8.0
278	Blankbooks & Bookbinding	2,306	4,995	46.2
282	Plastic Materials & Synthetics	2,254	5,522	40.8
307	Misc. Plastic Products	2,094	21,885	9.6
342	Cutlery, Hand Tools, & Hardware	1,657	11,388	14.6
346	Metal Forgings & Stampings	1,168	6,265	18.6
348	Ordnance & Accessories	3,453	5,613	61.5
354	Metalworking Machinery	1,997	18,132	11.0
355	Special Industry, Machinery	1,749	16,287	10.7
356	General Industrial Machinery	1,705	9,074	18.8
357	Office & Computing Machines 2/	1,975	49,307	4.0
359	Misc. Machinery, except Electri	ical 1,062	8,556	12.4
367	Electronic Components & Access	ries 1.952	50,115	3.9
371	Motor Vehicles & Equipment 2/	1,628	5,763	28.2
394	Toys & Sporting Goods	4.167	7.492	55.6
m				
Total		40,668	279,718	14.5
	Transportation, Communication	ons,		
	& Utilities			
415	School Buses	956	6.077	15.7
481	Telephone Communications	1.982	31,445	6.3
7-2		1,00	J#974J	0.)
Total		2,938	37,522	7.8
	Wholesale Trade			
500	Washington Budawat & C. 31	0.464	06.044	
508	Machinery, Equipment & Supplies		26,844	9.2
514	Groceries & Related Products	1,121	20,558	5•5
Total		* EQE	47 400	7 (
LUGAL		3,585	47,402	7.6

Table 54
Total Employment-for 48 Selected 3-digit SIC Industries
S-C-H IMA and Massachusetts - 1981 Annual Averages
(continued)

sic	Name of Industry	Springfield-	State	S-C-H IMA Employment	
210		Chicopee Holyoke LMA Employment	Employment	% of State	9
	Retail Trade			transfer of the second code	
531	Department Stores	5,169	53,612	9.6	
541	Grocery Stores	6,096	65,868	9•3	
551	New & Used Car Dealers	1,568	17,197	9.1	
554	Gasoline Service Stations	1,404	13,806	10.2	
562	Women's Ready to Wear Stores	994	11,732	8.5	
581	Eating & Drinking Places	11,841	144,248	8.2	
591	Drug Stores & Proprietary Stor		14,626	8.6	
592	Liquor Stores	1,012	8,364	12.1	
594	Misc. Shopping Goods Stores	1,755	21,143	8.3	
Total	•	31.094	350,596	8.9	
	Finance, Ins. & R.E.				
602	Commercial Stock Savings Banks	s 2,529	35,615	7.1	
603	Mutual Savings Banks	1,428	13,001	11.0	
631	Life Insurance	3,778	26,759	14.1	
641	Insurance Agents, Brokers & Service	1,148	15,051	7.6	
Total	•	8,883	90,426	9.8	
	<u>Services</u>				
701	Hotels, Motels & Tourist Court	ts 1,538	21,679	7.1	
734	Services to Bldgs.	1,103	15,287	7.2	
736	Personnel Supply Services	1,391	26,738	5.2	
739	Misc. Business Services	2,918	47,657	6.1	
801	Offices of Physicians	1,732	17,741	9.8	
805	Nursing & Personal Care Facili		46,143	7.8	
806	Hospitals	9,402	121,394	7.7	
809 822	Health & Allied Services, NEC	1,405	6,022	23.3	
839	Colleges & Universities Social Services	4,547 1,416	63,377 9,466	7.2 15.0	
864	Civic & Social Associations	1,061	10,358	10.2	
Total		30,104	385,862	7.8	
Grand	<u>Total</u>	117.272	1,191,526	9.8	

Source - ES-202 Report of Employment & Wages

^{1/} Preliminary

^{2/} Permission was received to release employment data for these industries.

rablo 55
Employment for Solected 3-Digit SIC Industries 1/
Springflold-Chicopes-Bolyoke Lka
1991 - Annual Average

	Selected 3-Digit Industries	Valte	1977 Units-Employment Units-Employment	Unite-	1978 -Employment	%Change 1977 1976 U	o life-E	8e 1979 Unite-Employment	1978 1978 1979 Un	1980 faits-Emp	re 1980 Units-Employment	1979 1980 Und	nge Unite-	nge 19812/ Units-Employment	% Change 1980 1931	Absolute Change 1977 1981	1977 1977 1981
1 5	Kenufacturing																
200	2 Dairy Froducte	13	1,035	35		. 9.51		.263	4.5.6	9	1.360	111	2	3 276		91.	
262	Paper Mills, Ercept Bu	1	1,350	22	1,331	1.4	ות ות	430	4.7.4	22	1.266		2 5	1,205	+ 1.	+540	+55.3
264	Misc. Converted Paper	56	4,438	56		6.9		502	. 5.1	22	4.517		2 8	7 440	, ,	Ç.	-10.
265	Faperboard Containers	18	1,520	19		6.4		536	+ 7.9	18	1.562		3 2	1 505		7 22 + +	***
27.1		19	1,484	8		11.6		169	2 2 2	3 2	1,645	- 1	14	1 202		910:	h .
275	Commercial Printing	81	1,188	84		9.0		281	4	2 6	200	1	9 6	1,106	•	+619	1.61+
276		11	2,018	11		+13.5		507	4 9.5		2,402	200	3 5	2010		4000	0.0
292		8	2,375	-		1.0		341		, 0	2,343	10.1	10	2.254		121	+14.)
0		38	1,652.	36		+ 6.7		916	+ 8.B	41	1,992	4 3.9	42	2.094	+ 5.1	+442	4.26.B
344	Cutlery, Hand Toole an	11	2,070	13		+ 7.3		.761	-20.7	77	1.665	5.5	77	1.657		217	2
346	_	13	1,480	13		5.5		,432	+ 3.8	14	1,250	-12.7	14	1,168	9.9	28	-21.5
346	_	9	3,110	-		- 0.4		201	4 5.9	4	3,599	+ 9.7	-	3.453	- 4.1	+343	0.[[+
324	Retalworking Nachiner	93	1,524	93		420.0		.983	+ 8.4	94	2,011	+ 1.4	96	1.979	- 0.7	+473	431.0
2		52	1,696	56		6.9		,789	- 1.3	56	1,628	+ 2.2	24	3,749	- 4.3	+ 53	+ 3.1
Ž,	General Industrial Ma	8	1,779	ຂ		+15.6		,139	+ 4.0	19	1,972	- 7.8	17	1.705	-13.5	- 74	- 4.2
227	Of rice & Computing Ma	4	2,091	❤		-10.2		986	+ 5.8	•	2,135	+ 7.5	-	1,975	- 7.5	-116	
200	risc, nachinery, exc	69	894	74		+11.3		.032	+ 3.7	88	1,040	\$ 0°8	95	1,062	+ 2.1	+168	+18.8
2,5		6 11	1,611	13		- 2.4		,763	+12,1	15	1,836	+ 4.1	32	1,952	+ 6.3	+341	+21.2
	Fotor Vehicles & Equi	4	1,444	S		+ 4.2		,585	+ 5.3	4	1,645	+ 3.8	2	1,628	- 1.0	+184	+12.7
25	toys & sporting Goods	0	3,865	2		+ 2.0		4,499	+14.1	10	4,997	+11.1	9	4,167	-16.6	+305	+ 7.8
	Totals	494	38,632	515 4	40,283	+ 4.3	516 41,	41,649	+ 3.4	524 4	42,269	+ 1.5	525 4	40,668	- 3.8 +	+2,036	+ 5.3
	Transportation, Communications, Electric, Gas, Sanitary Sorvices	. 0															
413	School Buese Telenhone Communication	28	732	82	790	+ 7.9	27	903	+14.3	36	914	+ 1.2	27	956	+ 4.6	+224	+30.6
				P				012	2.0	14	Z,U25	4:	14	1,982	- 3.5	-195	- 9.0
	Totale	45	2,909	43	2,901	6.0	41 3	911,	+ 7.5	9	2,967	- 4.9	41	2,938	- 1.0	82 +	+ 1.0
	Wholesale Trade																
25.28	Machinery, Equipment & Supplies Croceries & Belated Products	150	1,541	156	1,805	11.1.1	165 2,	961,9	+21.8	177	2,395	+ 8.9	375	2,464.	+ 2.9	+923	+59.9
			97.00				•	360	2.0	Ĉ,	7,100	5.0	3	777 47	4 1.9	83 +	+ 1.0
	BTULOE	22(2,042	240		_	~ `	, 291	+11.4	560	3,495	+ 6.3	255	3,585	+ 2.6	+943	+35.7

Employment for Selected 3-Digit SIC Industries 1/2
Springfield-Calcopse-Holyeks 1/4
1981 - Annual Average
(continued)

Selected 5-Digit Industries	Unite	1977 Employment	Unite	1976 -Employment	1977 1977 1978	fe Unite-	979 Eaployment	% Chang 1976 1979	o Unite-E	e0 nployment	% Cha 1979 1980	nge 19 Unite-	812/ Exployment	% Change 1980 1981	Change 1977-198	1977 1977 11 1981
Rotall Trade																
	H.		127	A 984	נ פני	43	277	. 7				. :	3,0		-	1
_	257		244	5.728	- 4.2	270	5.889	+ + 2.0			4.0	241	2,169	- 1.9	+ 768	+17.5
	8		4	1.854	6.0-	83	900	P . C .				12	2000		111	200
	111		976	102	0 0	100	302 1					-	7000	- 2 - 2	500	-10.4
			2 2	100	,	100	1,005	-22.0				533	1,404	+ 7.8	- 251	-15.2
	- 040		= ;	770	9 (9	1,095	+24.1		_	2.7	62	994	13.8	+ 112	+12.7
	920		634	11,098	+ 7.7	902	11,420	+ 2.9		_	5.3	641	11,841	- 1.5	+1.539	+14.9
٠.	2		168	1,375	+ 4.6	166	1,311	- 4.7		_	2.1	156	1,255	- 2.3	3	- 4.6
	143		141	698	- 2.1	143	939	+ 5.6			4.6	135	1,012	+ 3.1	+ 104	+11.5
_	552		234	1,565	+ 4.2 .	255	1,769	+ 6.2			3.5	254	1,755	3.8	+ 157	+ 9.B
Totals	5,066	N	690	30,126	+ 4.2 2	,212	30,805	+ 2.3 2			1.3	2.046	\$1,094	- 0.3	10 182	4.7.6
														:	6	:
Finance, insurance & Rgal Estate																
	3.7	2.240	9	2 230	700	9		7 .						,		
Matual Saving Banks	:=	1,287	35	1 3/3	***	20	250	4.0			9.7	25	2,529	+ 2-1	+ 299	+12.9
	: 2	1.222	3 5	4 425 X 425	4.4	600	2 513	1:1			5.4	25	1,428	+ 1-1	. + 141	+11.0
	184	962	182	210		,	3,000	+ 6.1			0.0	25	5,778	+ 2.7	+ 556	+17.3
Service			1	3	+ 7.4	107	7000	+74.			C.5	987	1,148	- 2.2	+ 286	+33.2
Totale	273	7,611	282	7,950	+ 4.5	290	8,298	+ 4.4			4.5	281	8.883	+ 2.4	+1.272	+16.7
0																
-	99	1.473	6.4	1.484	60	77	1 63 4									
	92	1.045	7.9	130		• d	1 1 24) u			7.0		1,238	+ 1.8	+	+ 4.4
_	28	859	77	1 067	124.2	2 7	1016				2.0		1,105	8.2	R. +	4.2.6
~	132	2.441	77	541	204.2	3,6	2 572	+11.3			6.1		1,391	- 1.2	+ 532	+61.9
_	25	200	772	1000	1 1	604	2000	+ T.			4.		2,918	+ 6.3	+ 411	+19.5
-	22	2 674	3 2	7 700	,,,,	5 5	1,070	+ 4.4		_	9.6		1,732	+ 4.1	+ 232	+15.5
		600	200	2,707	+12.0	χ,	3,5/4	+ 2.1			5.0		3,591	+13.1	+ 717	+24.9
	15	600	`;	2,0,0	+0.4	٠,	979	+ 1.3			4.1		9,402	+ 4.7	+ 873	+10.2
_	7.5	, 22	4 ,	1,045	+23.5	2	1,098	+ 5.1		_	4.5		1,405	+12.0	+ 596	+73.7
	2 2	46.734 FBA	11	4,134	1.4.1	3 :	4,048	- 2.6			2.9		4,547	+ 9.1	+ 216	+ 5.0
_	125	1.072	761	010	T-07+	196	145	6,02+					1,416	+12.3	+ 935	+194.4
		-	2	44444		077	7,100	+ T-3		_	0.1		1,041	-18.0	- 11	- 1.0
Totals	160	25,414	941	26,581	4 4.6	916	27,176	+ 2.2			5.0		30,104	+ 5.5	44,690	+18.5
Grand Totals	4,009 1	4		10,795	+ 4.4 4	284 1	14. 438					-	22 222		.30	
New No. 202 Beauty of Press	:												212612	100	411,133	470.3
8641 8641 8641 8641 8641 8641	Selected 3-Digit Industrial Bettil Trade Department Stores Grosery Stores Grosery Stores Grosery Stores Grosery Stores Grosery Stores Earting Departer Station Vocari's Benky-to-Vear Station Und Stores & Proprietary Liqua Stores & Proprietary Hec. Shopping Goods Store Hesting Savings Banks Hist. Shopping Goods Store Connerted & Store Savin Finance, Insurence & Prag- Connerted & Store Savin Historial Savings Banks Line Insurence Sarvice Dervice Dervice Sarvice Grand Allied Savrices Miches Dulining Savrices Grand Allied Savrices Grand Allied Savrices Grand Social Association Social Savrices Grand Social Association Grand Screen	rise on tores or Stores or Stores or Stores or Totals frouts or MED frouts f	rise on tores or Stores or Stores or Stores or Totals frouts or MED frouts f	rise on tores or Stores or Stores or Stores or Totals frouts or MED frouts f	1977 1978 1978 1979 1979 1970	1977 1978 1979 1979 1979 1970	1977 1978	1977 1978	1977 1978 39. 1979 1	1977 1978 1979	1977 1978 1977 1979 1979 1979 1979 1970	1977 1978	1977 1978	1977 1978 1979 1979 1979 1978 1979 1978 1979 1978 1979 1978 1979 1978 1979 1978 1979 1978 1979 1978 1979	1977 1976 1977 1976 1977 1976 1977 1978 1979 1979 1970 1979 1970 1979 1970 1979 1970	1977 1976 1977 1976 1977 1976 1979 1979 1970

Source: ES-202 Report of Employment and Vages

Y Pigures for prior years vere revised when necessary to eliminate the effect of changes due to industry recoding.

Y Pralicinary

Y Permission was received to release employment data for these Industries.

the second of the second of

Occupational Employment Profiles by Major Occupational Category 2/ for 48 Selected 3-Digit SIC Industries Springfield-Chicopee-Holyoke LMA Table 56

Annual Average	
1981 Am	

Occupation 3-Digit Industry Name	Dairy Products (SIC-202)	ts 02)	Paper Mills, Except Bldg, Paper (şiC-262)	dils, Paper	Misc. Conver Paper Prods. (SIC-264)	Misc. Converted Paper Prods. (SIC-264)	Paperboard Containers Boxes (SIC-265)	erd lers & 5)	Newspapers (SIC-271)	oers
	Mumber	Mumber Percent	Mumber	Mumber Percent	Number	Mumber Percent	Number	Number Percent	Mumber	Number Percent
Total Employment	1,375	100.0	1,205	100.0	4,440	100.0	1,595	100.0	1,702	100.0
Managers & Officers	138	10.0	61	5.1	351	7.9	70	4.4	116	6.8
Professional	73	5.3	51	4.2	286	6.4	34	2.1	322	18.9
Technical .	77	2.	16	€.	157	3.5	A	ı	10	9*0
Services	25	80	16	₩.	109	2,5	21	€ €	75	4.4
Maintenance & Production	163	55.5	892	74.0	2,632	59.3	1,215	76.2	269	40.7
Clerical	287	20.9	136	 	899	15.0	186	11.7	317	18.6
Sales	33	5.3	33	200	235	8	69	F-0	172	10.1

Occupational Employment Profiles by Major Occupational Category 2/ for 48 Selected 3-Digit SIC Industries Table 56

Springfield-Chicopee-Holyoke IMA 1981 Annual Average (continued)

			co)	(continued)						
Occupation 3-Digit	Metal Forgi	Metal Forgings & Stampings	Ordnance & Accessories	e & ries	Metalworking Machinery	rking ry	Special I	Special Industry General Ind.	General I Machinery	Ind.
THURST'S NAME	(SIC 346)	46)	(sic 348)	(8)	(SIC-354)	4)	(sic-355)	15)	(sic-356)	(9
	Number	Number Percent	Mumber	Number Percent	Number	Number Percent	Number	Number Percent	Number Percen	Percen
Total Employment	1,168	100.0	3,453	100.0	1,997	100.0	1,749	100.0	1,705	100.0
Managers & Officers	8	7.7	81	2.3	130	6.5	191	9.5	164	9.6
Professional	47	4.0	156	4.5	96	4.8	231	13.2	133	7.8
Technical .	מ	6.0	56	1.6	46	2.3	171	8.6	90	5.3
Services	19	1.6	94	2.7	99	3.3	. 58	1.6	8	1.2
Maintenance & Production	877	75.1	2,677	77.5	1,364	68,3	783	44.8	166	58.5
Clerical	103	8.8	344	10.0	. 246	12,3	329	18.8	261	15.3
Sales	22	1.9	31	6.0	20	2.5	. 91	2.6	39	2.3

Table 56

Occupational Employment Profiles by Major Occupational Category 2/ for 48 Selected 3-Digit SIC Industries Springfield-Chicopee-Holyoke LMA

1981 Annual Average

			(cont	(continued)						
Occupation 3-Digit	Commercial Printing	olal 18	Blankbooks & Bookbinding	oks & ding	Plastic Mate	Plastic Materials & Synthetics	Misc. Plastic Products	lastic	Cutlery, Hand Tools	ole
THURS ILLY NAME	(SIC-275)	(5)	(src-278)	8)	(src-282)	12)	(SIC-307)	7)	(SIC-342)	2)
	Mumber	Mumber Percent	Number	Number Percent	Number	Number Percent	Number	Number Percent	Number	Number Percent
Total Employment	1,184	100.0	2,306	100.0	2,254	100.0	2,094	100.0	1,657	100.0
Manegers & Officers	128	10.8	88	3.8	174	7.7	151	7.2	111	6.7
Professional	30	2.5		1,5	169	7.5	19	2.9	89	4.1
Technical .	7	1	16	1.0	01.	3.1	15	1.0	18	٠ ١
Services	14	1.2	22	6.0	56	2.5	. 52	1.2	. 31	1.9
Maintenance & Production	789	9.99	1,997	9.98	1,343	59.6	1,579	75.4	1,215	73.3
Olerical	174	14.7	125	5.4	354	15.7	214	10.2	192	11.6
Sales	42	3.5	28	1.2	96	4.0	22	2.4	8	1.2

Table 56

Occupational Employment Profiles by Major Occupational Category $\frac{2}{}$ Springfleld-Chicopee-Holyoke LMA 1981 Annual Average (continued) for 48 Selected 3-Digit SIC Industries

	Occupation 3-Digit Industry Name	Office & Computing Machines (SIC-557)	& Ing 98 57)	Misc Machi except Ejectrical (SIC-359)	Misc Machines except Electrical (SIC-359)	Electronic Components & Accessories (SIC-367)	nic nts & ries 7)	Motor Vehic & Equipment (SIC-371)	Motor Vehicles & Equipment (SIC-371)	Toys and Sporting Goods (SIC-394)	ld lg 14)
		Number	Number Percent	Number	Number Percent	Number	Number Percent	Number	Number Percent	Number	Number Percent
	hotal Employment	1,975	100.0	1,062	100.0	1,952	100.0	1,628	100.0	4,167	100.0
	Managers & Officers	195	6.6	89	8.4	175	0.6	45	2.6	150	3.6
12	Professional	474	24.0	43	4.0	390	20.0	32	2.0	711	2.8
2	Technical .	257	13.0	80	1.9	213	10.9	17	1.0	75	1.8
	Services	. 88	1.4	12	1.1	27	1.4	. 02	4.3	69	1.6
	Maintenance & Production	595	30.1	177	72.6	795	40.7	1,403	86.2	3,229	77.5
	Glerical	406	20.6	102	9.6	527	16.8	57	3.5	496	11.9
	Sales	19	1.0	25	2.4	23	1.2	٦	1	35	0.8

Occupational Employment Profiles by Major Occupational Category 2/ for 48 Selected 3-Digit SIC Industries Springfield-Chicopee-Holyoke IMA 1981 Annual Average (continued) Table 56

Occupation 3-Digit	School Buses		Telephone Communica	tion	Machinery Equipment	જ	Groceries & Related	\$ B B	Dept. Stores	•	
Industry Name	(SIG-415)	5)	(sic-401)	31)	SIC-508)		(SIC-514)	. 🔾	(sic-531)	51.)	
	Number	Number Percent	Number	Number Percent	Number	Percent	Number	Number Percent Number Percent Number	Number	Percent	
Total Employment	926	100.0	1,982	100.0	2,464	100.0	100.0 1,121	100.0	100.0 5,169	100.0	
Managers & Officers	28	2.9	245	12.4	202	8.2	101	0.6	295	5.7	
Professional	ন	8	36	0.8	111	7.2	27	2.4	133	2.6	
Technical .	à		14	2.0	168.	6.8	7	i	1/	1	
Services	न	8	23	7.2	15	9.0	85	1.6	385	7.4	
Maintenance & Production	663	93.4	810	40.9	589	23.9	439	39.2	522	10,1	
Clerical	56	2.3	863	43.5	111	29.1	293	26.1	1,661	32.1	
Sales	77		H	9.0	594	24.1	168	15.0	2,170	42.0	

Occupational Employment Profiles by Major Occupational Category for 46 Selected 3-Digit SIC Industries
Springiield-Chicopee-Holyoke LWA
1981 Annual Average
(continued) Table 56

Occupation 3-Digit Industry Name	Life Insurance (SIC-631)	10e 51)	Ins. Agents, Brokers & Services (SIC-641)	ents,	Hotels, Mark Courts (SIC-701)	Hotels, Motels & Tourist Courts (SIC-701)	Services to Bldgs. (SIC-734)	s to 4)	Personnel Supply Services (SIC-736)	lel
	Number	Number Percent	Numbor	Number Percent	Number Percent	Percent	Mumber	Mumber Percent	Number	Number Percent
Total Employment	3,778	100.0	1,148	1,148 '100.0	1,538	100.0	1,103	100.0	1,391	100.0
Managers & Officers	518	13.7	170	14.8	85	5.5	45	4.1	22	1.6
Professional	586	15.5	84	7.3	58	1.8	7	ı	185	13.3
Technical .	106	. 2.8	7	ı	. 1/	ı	7	ı	167	12.0
Serviceв	87	2.3	15	1.3	1,041	67.7	993	0.06	577	41.5
Maintenance & Production	64	1.7	1/	ı	106	6.9	38	3.4	102	7.3
Clerical	1,889	50.0	969	9.09	260	16.9	14	1.3	324	23.3
Sales	533	14.1	178	15.5	15	1.0		1	14	1.0

Occupational Employment Profiles by Major Occupational Category
for 48 Selected 3-Digit SIC Industries
Springfield-Chicopee-Holyoke IMA
1981 Annual Averago
(continued) Table 56

	*				Ì						
·	Occupation 3-Digit Industry Name	Drug Stores & Proprietary Stores (SIC-591)	ores & tary	Liquor Stores (SIC-592)	32)	Misc. Goods (SIC-	Shopping Stores	Commercial & Stock Savings Banks (SIC-602)	Commercial & Stock Savings Banks (SIC-602)	Mutual Savings Banks (SIC-603)	
			,			- 1					
		Mumber	Number Percent	Number	Number Percent	Number	Number Percent	Number	Number Percent	Number Percent	Percent
	Total Employment	1,255	100.0	1,012	100.0	1,755	100.0	2,529	100.0	1,428	100,0
	Management & Officers	115	9.5	178	17.6	267	15.2	267	14.5	250	17.5
12	Professional	23,6	18.8	17	1.1	54	3.1	288	11.4	40	2,8
25	Technical	7	8 .	7	t	A.	ı	13	0.5	1/	ť,
	Services	31	2,5	77	1	33	1.9	51	2.0	57	2.6
	Maintenance & Production	53	2.3	134	13.2	246	14.0	13	0.5	1/	ı
	Clerical	320	25.5	526	22.3	542	19.5	1,763	69.7	1,085	76.0
	Saleв	522	41.6	450	44.5	608	46.1	. 82	4,3	11	0.8

Table 56

Occupational Employment Profiles by Major Occupational Category²/
for 48 Selected 3-Digit SIC Industries
Springfield-Chicopee-Holyoke LWA
1981 Annual Average
(continued)

Occupation 3-Digit	Grocery Stores		New & Used Car Dealers	sed	Gasoline Service	0	Women's to-Wear	Women's Ready- to-Wear	Eating & Drinking	
Industry Name	(SIC-541)	_	(SIC-551)	(1	Stations (SIC-554)	4) 4)	Stores (SIC-562)	(29	(SIC-581	$\overline{}$
Total Employment	Number Percent	ercent	Number 1.568	Number Percent	Number 1.404	Number Percent	Number 994	Number Percent	Number Percent	Percent
Managers & Officers	469	7.7	281	17.9	185	13.2	131	13.2	651	5.5
Professional	85	1.4	30	1.9	17	1.2	8	2.0	24	0.2
Technical.	7	1 .),	ı	ন .	ı	7	,t _e	1/	ı
Services	274	14.5	38	. 2.4)\	ı	. 14	1.4	171,01	85.9
Maintenance & Production.1,993	ion.1,993	32.7	641	40.9	1,052	74.9	147	14.8	284	2.4
Clerical	2,463 40.4	40.4	279	17.8	. 147	10.5	166	16.7	580	4.9
Sales	805	805 13.2	299	19.1	2	0.2	. 919	51.9	130	1.1

Occupational Employment Profiles by Major Occupational Category for 48 Selected 3-Digit SIC Industries
Springfield-Chicopee-Holyoke IMA
1981 Annual Average
(continued) Table 56

	Misso		0.00.000	30	Managar	. P.	TO ON S	2	THE STATE	
Occupation 3-Digit Industry Name	Business Services (SIC-739)	a a (6)	Physicians (SIC-801)	ans	Facilities (SIC-805)	Fersonal Care Facilities (SIC-805)	(SIG-806)	ā (9	Allied Services (STG-809)	Allied Services NEC (SIC-809)
	Number	Number Percent	Number	Number Percent	Number	Number Percent	Mumber	Number Percent	Number	Number Percent
Total Employment	2,918	100.0	1,732	100.0	3,591	100.0	9,402	100.0	1,405	100.0
Menagers & Officers	321	11.0	78	4.5	119	3.3	359	3.8	80	5.7
Professional.	379	13.0	710	41.0	481	13.4	3,168	33.7	445	31.7
Technical	158	5.4	170	9.8	.341	9.5	1,630	17.3	52	3.7
Services	826	28.3	113	6.5	2,384	66.4	2,382	25.3	625	44.5
Maintenance & Production	344	11.8	7	'	154	4.3	364	3.9	51	1.5
Clerical	800	27.4	929	37.9	115	3,2	1,494	15.9	166	11.8
Sales	90	۳.	, T	ı	71	1	· À	1	14	1.0

Table 56 Occupational Employment Profiles by Major Occupational Category for 48 Selected 3-Digit SIC Industries

ल

Springfield-Chicopee-Holyoke IMA	· 1981 Annual Average	(continued)

Occupation 3-Digit	Colleges & Universities	ss &	Social	8	Civic & Social	
industry wame	(sic-822)	(23	(SIC-839)	(6)	Associations (SIC-864)	itions (4)
	Number	Number Percent	Number	Number Percent	Number	Number Percent
Total Employment	4,547	100.0	1,416 100.0	100.0	1,061 100.0	100.0
Managers & Officers	496	10.9	150	150 10.6	110	10.4
Professional	2,378	52.3	472	33.3	239	22.5
Technical	159	3.5	14	1.0	7	
Services	464	10.2	424	30.0	545	51.4
Maintenance & Production	191	4.2	54	3.8	28	2,8
Clerical	829	18.9	263	18.6	132	12.4
Sales	1/	ı	38	2.7	1/	•

Note: May not add to totals due to rounding.

1/ Less than 10.

Where one or a few firms dominate a particular industry in the S-C-H area, estimates are more subject 2/ Occupational employment estimates are based on assumed staffing patterns for an entire industry. to distortion.

Table 57
Job Bank Openings
By Selected Occupational Category

				March 1962	25						
Occupational Title	State	Boston	Fall	Fitchburg	Lawrence Haverhill	Lovell	New	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
TOTAL ALL OCCUPATIONS	5099	1943	102	8	193	†ot	195	8	484	644	1911
Professional, Technical, Managerial, Architect & Engineering Math. & Physical Science Life & Social Science Life & Social Science Life & Social Science Medicine & Health Education Pascum Library Law, Jurisprudence Witting Art Entertainment Administrative Specialists Managers & Officials n.e.c. Miscellancous, Prof., Tech., Mgr.	\$ 7	28 F 2 2 1 1 1 4 4 4 3 8 C	* -	dulliwillise.	~ 3011004111114wa	Q	o-a.lα	4414411111144	842 24 1 4 4 8 8 4 4 4 4 8 8 4 4 4 4 8 8 4 4 4 4 8 8 4 4 4 4 8 8 4	स्त्रता । । स्त्रत्यक्षत	13°°°34 1°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°
Clerical and Sales Stenography, Typing & Related Computing & Acct. Recording Prod. & Stock Clerk Information Distr. Miscellaneous Clerical Sales Persons Sarvices Sales Persons, Commodities n.e.c.	1163 233 273 273 273 273 273 273 273 273 27	\$ 1 8883338	dwarian ian	ŭ«≒iu∝uu¦	ั ^ร สิตปัง _{ต์} ผนพ	842001410	202014104	क्षणचीच्याः	184 184 187 8	୫୯୯୭ ଜୀ ଘଟଣ ୧୯୯୭ ଜୀ ଘଟଣ	8%4%4°28%
Service Domostic Service Food & Beverage Preparation Lodging & Related Service	1109 143 140	52 8 2 8 8	0111	a1.0.1	8141	۰:::	82 67	취임작의	റ്റുഢയന	191 19 20 20 20 20 20 20 20 20 20 20 20 20 20	150 28 20 1

Table 57
Job Bank Openings
By Selected Cocupational Category
March 1982
(contamed)

		•		(continued)	g)						
Onerthan 1941	# # # # # # # # # # # # # # # # # # #	Boaton	Fall	Fitchburg	Lawrence	Lovell	New	Pittaffeld	Springfield * Chicopes Holvoke	Worcester	Balance
Country (continued)	9	200									
Tanta long and the											
Macellaneous Personal Service	303	147	m	2	7	;	8	ÇV.	3	75	8
Frotective Services: Building & Related Service	± 79	ક્રહ	٠;	1 1	N 60	: 1	-	o •		90	ក់ក់
Apparel/Furnishings Service	ส	1	2) ri	: :	: :	î:	٠;	o 01	4 ~
Farming, Fishing, Forestry Plant Farming Animal Farming Forestry	156 134 16	2514	1111		~~!!	::::	82	. mar 4 1	Ļ n az	۲9 n l	## - !
Processing Metal Food, Tobacco Chemicals, Flastics, Synthetics Stone, Clay, Glass Leather and Textiles Processing Occupations n.s.o.	34 5 5 4 S E	\$ " "	~!!!!	04 ko		~~!!!!!	1111111	шшш	2129111	۹ ا ا ا س	11 * 18 ° 12
Machine Trades Retal Wecking Ne. 6. Metal Working n.e. 6. Rechanics & Machiner Repairers Printing & Papervorking Wood Machine Textites Machine Trades n.e. 6.	8 8 8 7 E E	4 8 2 5 8 4 1 7 1	4 eee. s	ลีนเพเพไไ	- ~ ~ ~ ~ ! ~ ~ %	4 ~ 4 m 1 m m	32121141	* " "	82120144	77 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	82 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Benchwork Hetal Products Scientific & Electrical Equipment Plastics, Synthetic, Bubber Stone and Wood Products Textile, Lether Benchwork Occupations n.e.o.	ខ្លួនត្តិដងខ្លួង	8451281		3140101	daimare	91-1111	%u3 1	4 5 6	2011161	₹°°°⊓⊓81	१५ ० दि ७ य छ ।

Table 57
Job Bank Openings
By Selected Occupational Category
March 1982
(continued)

				(concruded)	(1)					-	
. Occupational Title	State	Boston	Fall	Fitchburg	Lawrence Haverbill	Lowell	New Bedford	Pittsfield	Springfield Chicopee Holyoke	Worcester	Balance of State
Structural Work Metal Fabrication	392 56	273	٦:	u.	3 -2	45,0	ದ ∾	Ф Н	બ્રુલ	98	50
Welders	8	\$ i	8	1 0	rd l	QI ;	æ	1	1 -	٦,	
Electrical	200	22	: :		١,	1 :	: :	: :	<u>+</u> 0	o	<u>م</u> د
Excavating, Grading atc. Construction Occupations n.e.c.	118 ³³	1 %	8 8 8 8	=	1 78	::	12	ا ــــــــــــــــــــــــــــــــــــ	le	ᅻ 0	! #
Structural Occupations n.s.c.	55	ru.	A .	œ	9	2	~	٦,	rl	-	.#
Miscellaneous	694	338	i	15	75	œ	36	m	47	ま	991
Motor Freight Occupations Transportation Occupations	2 K	233	1 1	! ~	നയ	: :	#	1 1	w	رب 	15 41
Packing, Material Handling	₹.	はっ	1	ង់	· ←1 *	٦	83	m	को त	87	, 8 <u>7</u> ,
Graphic Art Work	33	೧ಚ	1		11	l	1 1	: :	t ri	ļd	n m
								The state of the s			

Source: Labor Market Information Analytical Table Series

* Springfield-Chicopes-Holyoke data for February 1982

Table 58

Average Pay by Selected Occupational Category
Massachusetts Job Banks
March 1982

Occupational Title	State	Boston	Fall	Fitchburg Leominster	Lawrence Haverhill	LOWell	New Bedford	Pittsfield	Springfield Chicopee Holyoke	Worcester	Balance of State
TOTAL ALL OCCUPATIONS	\$10,220	\$10,459	6L1°6 \$	\$ 9,589	\$11,232	\$ 9,774	\$ 8,957	\$ 8,881	\$10,519	\$ 8,678	\$ 9,852
Professional, Technical, Managerial Architecht and Engineering Meth and Fyrsacal Science Life and Social Science Life and Social Science Medicine and Health Education Museum Library Law, Jurisprudence Writing Art Entertainment Administrative Specialists Managers and Officials n.e.o. Miscellaneous, Frof., Teob., Mgr.	15,000 10	11,068 117,068 117,550 117,550 117,550 117,550 117,560 117,560 117,560 117,560 117,560 117,560 117,560 117,560 117,560	14,547 11,547 11,034 12,034	112,384 ·		11,638 22,000 22,000 15,625 11,625 13,788	12, 12, 13, 13, 13, 13, 13, 13, 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14	12,466 12,667 11,168 11,168 11,168 11,168 11,168 11,168 11,168	1, 1, 2, 2, 3, 3, 3, 4, 1, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	# 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15,523 19,959 10,425 10,425 10,425 10,425 10,425 10,425 10,425 10,425 11,434 12,434 12,434 12,434 13,434 14
Clerical and Sales Stenography, Typing and Related Computing and Acet. Recording Production and Stock Clerk Information Distr. Miscellaneous Clerical Salespersons Services Salespersons, Commodities n.e.c. Miscellaneous Sales	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9,419 8,826 9,482 9,482 10,508 8,31 8,31	9,296 10,053 9,245 7,124 9,185 18,000 7,349	8,356 8,424 7,722 6,968 9,880	10,228 10,236 10,036 10,036 10,000 10	8,423 10,250 8,908 7,962 7,869 10,400	7,668 8,922 7,826 7,107 19,991	8,540 10,540 10,533 10,400 10,533 13,38 13,38 13,38 13,38	8,086 8,888 7,143 7,036 7,176 9,817 11,800 11,779	8,928 9,085 1,533 1,600 11,950	8,577 1,777 1,777 8,655 8,655 10,975 10,325
Service Domestic Service Food and Beverage Preparation Lodging and Related Service Musculaneous Personal Service Protective Services Building and Related Service	**************************************	26.28 26.24 26.24 26.24 26.25 26.25 26.25 26.25	3.61 9.13	13.65/hr 3.35 1.00	\$4.20/br 3.63 3.60 4.42	\$3.64/br	#3.66/br 3.73 3.35 3.56	#4.02/bz 1.44 13.35 1.50 1.50 1.51	## 48 /# 3.88 5.88 3.88 5.4.8 3.9.9.9 4.00 4.00 4.00 4.00 4.00 4.00 4.0	\$3.72/br 3.35 3.35 1.50 1.50 1.30 1.14	4.0.4.0.0.4.4 6.00.0.0.4.8 4

Table 58
Average Pay by Selected Occupational Category
Massachusetts Job Banks
March 1962
(continued)

Occupational Title	State	Boston	Fall	Fitchburg	Lawrence Haverhill	Lowell	New Bedford	Pittafield	Springfield " Chicopee Holyoke	Worcester	Balance of State
Farming, Fishing, Forestry Flant Farming Animal Farming Forestry	\$3.97/br 3.90 10.00	\$3.91/br 3.96 3.68	1111	<u></u>	\$3.55/bz*	1111	\$3.44/br 3.44	\$3.58/br 3.70 3.35	\$4.20/br 13.90	\$4.05/br 4.16 3.40	40,040,40 40,040 MA
Processing Notal Food, Tobacco Chadheals, Plastics, Synthetics Stone, Clay, Glass Leather and Textiles Frocessing Occupations n.e.o.	4444 66.03 66.09 66.09 66.09 66.09	51 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3.35	4.19 6.00 3.96	3 3 00 00	88	1111111	-		3.65 3.65 1.685 1.100	4:4 4:4 5:00 12:00
Machine Trades Metal Machining Metal Machining Metal Machining Mechanics, & Machinery Repairers Printing and Paperworking Wood Machining Textiles Machine Trades D. 6. 6.	20 00 0444 8128644	288848 X	40.65 40.85 80.80 80 80.80 80 80 80 80 80.80 80 80 80 80 80 80 80 80 80 80 80 80 8	6.17 6.17 6.17 3.98	6.25 6.25 6.25 7.4 1.35 1.35	7.50 7.50 7.50 3.59 3.59	. 4.24 . 4.24 	6,56,	83. 75. 3. 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	5.5.7 5.5.8 5.5.4 5.00 5.1.4 5.1.7 5.1.4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Benchwork , Metal Froducts Scientific & Electrical Equip. Flastics, Synthetics, Subber Stone and Wood Products Textils, Leather Benchwork Occupations, n. e. e.	444444 2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	44.06 40.04 60.13 71.13 10.13	4.25 3.40 1.37 3.35	3.70 4.00 4.23 3.18	3.75 3.75 14.00 5.26	4.72	3.72 5.10 3.72 13.65	3.55 3.55 3.35 3.35 3.35		3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	263231 263231
Structural Work Netal Rabrication Welders Electrical	6.05 6.05 6.05 6.05	6.74 7.48 6.43 6.97	8.111	5.54 5.55 8.65	5.47 7.00 6.05	4.41 5.23 5.00 3.70	6.23 6.19 7.42	79°4 00°4	6.44 5.00 6.13	52.54 4.42 52.53	8888

Table 58

Average Pay by Selected Occupational Category Passachusetts Job Banks March 1982

				(continued)	eq)						
Occupations] with	State	Boston	Fall	Fitchburg Leominster	Fitchburg Lawrence Lough Lough	Lowell	New Bedford	Springfi Chicopes Pittsfield Holyoke	Springfield* Chicopee Holyoke	Worcester	Balance of State
Structural Work (continued)					٠,		. >-	9)	:		
Painting	#6.79/hr	\$6.97/hr \$	<u> </u>	!	-	:	1	-	\$6.50/br	\$5.50/br	\$7.00/br
Excavating, Grading etc.	7.83	1.	1	1.	3.0	1	1	1	2	3	1.
Construction, Occupations n.e.c.	5.37	6.20	8.8	4.75	5.20		5.47	4.75	15.85	2.50	3. 2. 2.
Structural Occupations n.e.c.	4.76	2.12	l	00°	ł	4.7	01.1	8.	3.35	χ. •	8
Miscellaneous	42.4	45.4	;	5.03	4.55	00°†	4.09	4.37	6.93	3.65	42.4
Motor Freight Occupations			!	:	4.33	1	12.4	:	†L°†	4.85	5.05
Transportation Occupations n.e.c.			;	6.72	5.19	1.	1	1.	1.	5.03	3.42
Packing, Material Handling			ŀ	97.4	4.45	8.	20° 1	4.37	4.18	3.56	9.10
Production, Disbribution of Util.			!	8.8	;	1.	:	:	₹ 1	1.	7.38
Graphic Art Work			;	:	1	8.4	;	1	5002	٠.4 د.4	2.8
•					~-						

Bource: Labor Market Information Analytical Table Series

* Springfield-Chicopee-Holyoke data for February 1982

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. - ALL JOB OPENINGS 03/31/82 MASSACHUSETTS SMSA 8000 PPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

DOUISIONS TOTAL AGE	STORY TOTAL AGR	B	SCCUP	OCCUPATIONAL .				OPEN	INGS BY	OPENINGS BY INDUSTRIAL DIVISION	AL DIVI	SION			1
No. C D E F G H H H H H H H H H	TOTAL STATE OF THE TOTAL STATE OF TOTAL STATE OF THE TOTAL STATE OF TOT	C D E F G H H H H H H H H H	<u> </u>		1			CONSTR		TRANSP	WHS & RETAIL TRADE	о м п	SER-	PUBLIC . ADMIN ISTRA TION	901
HAIRE STATE TO THE STATE THAT THE STATE TO THE STATE TO THE STATE THAT THAT THAT THAT THAT THAT THAT	HYDE SE248 38 0 103 696 125 2167 266 74 106 106 106 106 106 106 106 106 106 106	HINDLES 1264 36 0 103 696 126 2167 266 1396 478 478 1061 0 0 0 1 1 63 696 126 218 213 213 214	9	B .	0	۵	LLI	L.	0	I	-	· ¬	¥		Σ
HAMPR 604 0 0 1 6 3 18 67 19 87 19 87 19 81 87 19 81 81 81 81 81 81 81 81 81 81 81 81 81	HYOR 604 0 0 1 63 18 67 30 TOTAL S 1336 0 0 0 22 9 1 749 13 FOR 105 1 0 0 0 0 14 176 15 15 15 15 15 15 15 15 15 15 15 15 15	HYDE 1061 0 0 1 6 6 9 16 73 2 12 213 213			5248			103	969				1385		531
HVILES 1936 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HVICES 1938 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NUICES 1369 10 0 0 0 14 1 680 19 446 173 269 28 10 10 1 10 1 10 1 10 1 1 1 1 1 1 1 1 1	PR	OF TECH MOR	604			-	63				212		239
NATICES 1338 0 0 0 14 1 660 26 22 0 0 1 1 1 1 660 26 22 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RVICES 1336 0 0 0 14 1 680 26 10 10 10 10 10 10 10 10 10 10 10 10 10	NATICES 1338 0 0 0 14 1 660 26 22 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	ERICAL	1061			10	69				269		29
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HYDES 1338 0 0 0 22 9 1 749 21 325 211 18ADES 244 31 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 1 0	HYDE 1338 0 0 0 22 9 1 749 21 8	NUCES 1338 0 0 0 2 2 9 1 749 21 325 21 11	8	MESTIC	59			0	0				88		-
HNDL 395 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FRADES 242 0 0 0 1 105 31 0 0 0 0 0 1 105 31 0 0 0 0 0 0 0 1 105 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NG 105 105 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OT	HER SERVICES	1338			22	O)				325		225
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HNDL 395 1 0 0 0 70 14 124 5 187 6 187 7 20 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HNDL 395 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HINDL 395 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AF	NCH WORK	157			-	142				7		-
HNDL 395 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HNDL 395 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HNDL 395 0 0 0 70 14 124 5 187 6 187	1 5	OLIC TIERAL	1C (C			9	8				28		7
HNDL 261 1 0 0 1 .5 28 32 1 187 6 182 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HNDL 395 1 1 0 0 1 0 5 28 32 1 HNDL 395 0 0 0 0 0 70 14 124 55 H M9R 2714 61 0 0 0 1 9 2 22 7 RVICES 730 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HNDL 2561 1 0 0 1 · · 6 28 32 1 187 6 182 7 1 187 7 1 187 8 182 9 1 187 9 1 18	2 2	TOR FROT.	2			3	3				3		•
HNDL 395 0 0 0 0 70 14 124 5 182 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HNDL 395 0 0 0 0 70 14 124 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HNDL 395 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	۲	PANSP	261	-	d	-		28	32		187		ю
71 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	71 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	71 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×		395	0	Ö	0	70	4	124		182		O)
H MGR C704 61 00 62 411 66 1140 92 618 64 64 64 65 1140 92 618 64 64 65 1140 92 618 64 64 65 1140 92 618 64 64 65 1140 92 618 64 64 65 7 24 65 1140 92 618 64 64 65 7 24 65 1140 92 618 1140 92 618 92 618 93 93 94 65 94 95 95 94 95 95 94 95 95 95 95 95 95 95 95 95 95 95 95 95	H MGR COS 0 0 0 1 6 2 11 66 1140 92 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	H MOR COURT	F	!	71	-	Ö	c		, e			88		10
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YEAR TO	YEAR TO	MONTHLY YEAR TO DATE FOR PERIOD ENDING 03/03/02	0	HER SERVICES	54.6			36.4	66.7	Q			76.		22.2
		FOR PERIOD ENDING 03/01/02				MONTH		O							

- ALL JOB GPENINGS 03/31/82 MASSACHUSETTS SMSA 8000 GPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

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	. 60VT	Σα	0.0	0	100	4		20	100.0	0	
	PUBLIC . ADMIN ISTRA TION	L 00	0.0	0.0	0.0	0.0		16.7	0.0	0.0	
		× 4	28.6	44.8	42.9	42.9		44.4	102.2	53.6	
ON	FINANCE.SER- INS & VICES REAL		0.0	0.0	0.0	42.9		100.0	100.0	0.0	
OPENINGS BY INDUSTRIAL DIVISION	HS & .F RETAIL .I RADE .F	- 0	66.7	41.7	85.7	72.2		6.96	92.7	100.0	
NDUSTRIA	TRANSP WHS & UTIL RETAIL TRADE	Ξ.	0.0	40.0	0.0	100.0		75.0	85.7	0.0	PAGE 002
NGS BY 1	MFG	9	55.1	62,9	9'.29	57.6		100.0	82.9	33,3	
OPENI	MINING . CONSTR .	ι τ ο	0.0	50.0	100.0	65.2		100.0	0.0	0.0	MONTHLY YEAR TO DATE FOR PERIOD ENDING 03/31/82
	INING .	. c	00	0.0	0.0	0.0		0.0	0.0	0.0	YEAR TO
	TOTAL AGR .MIN FOR & .	. 0	66.7	0.0	0.0	100.0		0.0	0.0	100.0	MONTHLY FOR PER
	TOTAL .A	0 1	54.3	59.1	67.5	60.0		54.8	95.2	47.9	
1	AND DIVISIONS	60 O O O O O O O O O O O O O O O O O O O	PROCESSING	MACHINE TRADES	BENCH WORK	STRUCTURAL	MOTOR FRGT,	TRANSP	PKG MTRL HNDL	OTHER	
ITEM . OCC			10195 5								SMSA 8000

		FINANCE SER- PUBLIC GOVT INS & VICES ADMIN- REAL ISTRA- ESTATE TION		38	37 11	ල ල	196	-0	0	o 25		0 0 0 0 0 0	. 10	3	4 ~		12 00 00	127 0	6) C	0	13		0		66.5 63.2	35.1 72.7	25.0 77.8 0.0 0.0	64.8	
e 60 SMSA 6320 L CATEGORY	OPENINGS BY INDUSTRIAL DIVISION	TRANSP . WHS & .FINANC & UTIL . RETAIL . INS & .TRADE . REAL	5 · · · · · · · · · · · · · · · · · · ·	4		0 C	900			00		4 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		•	2		38						9 6			·	0.0.	100.0	9.89	୦୦୦ ଅନ୍ଦର
Tabl.	OPENINGS BY I	CONSTR . MFG	. 6			w c) (N) (138) t	10 10		22	(exx	C		0 0			01	0 1	10 8				50.0 100.0	0.0	
		AGR MINING . CR					000					5 G		(~ C						00				0.0	100.0	0.0	MONTHLY YEAR TO DATE
35 03/31/82 ED BY INDUSTRIAL	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	TOTAL . FO		-		9 6	ES 281	4 4		141		317		L •			4 - 2) n				-	800	120					74.2		
- ALL JOB OPENINGS 03/31/82 RECEIVED AND FILLED BY INDUSTRIAL	OCCUPATIONAL	CATEGORIES AND DIVISIONS	OPENINGS RECEIVED	ř	PROF IECH MGR	29 SALES		PROCESSING	MACHINE TRADES	BENCH WORK	_	PKG MTRL HNDL	20		AL PROF TECH MGR		29 SALES			MACHINE TRADES	BENCH WORK	oΣ	TRANSP DVO MTDI HNDI		- KAIE	AL DERE TECH MOD				
PENINGS RE	ITEM .	 S	A OPEN		10020 20-24			0040 4		10055 7		10070 92	0075 93-97 OPENI		10085 101AL			0110 31-39		0120	0130 7	0135 8	0145 00		בור	0160 TOTAL		0175 25-29	0185 31-39	ISA 6320

Table 60

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		GOVT								_				
		PUBLIC ADMIN- ISTRA- TION	ب	80.0	0.0	0.0	0.0	0.0		0.0	0.0	70.0		
			Υ.	100.0	0.0	66.7	0.0	86.7		50.0	80.0	0.0		
	NO	TRANSP WHS & FINANCE.SER- & UTIL RETAIL INS & VICES TRADE REAL .		0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0		
	OPENINGS BY INDUSTRIAL DIVISION	HS & .F	-	0.0	200.0	100.0	100.0	100,0		50.0	22.1	100.0		
SMSA 6320 L CATEGORY	NDUSTRIA	RANSP .	ı	0.0	0.0	0.0	0.0	0.0		2.99	50.0	0.0		PAGE 002
SMS	NGS BY	MFG . 1		0.0	0.0	62.9	95.8	62.5		50.0	88.1	80.0		
USETTS D OCCUPA	OPENI	ONSTR	L	0.0	0.0	0.0	0.0	83,3		0.0	100.0	100.0	DATE	FOR PERIOD ENDING 03/31/82
MASSACHUSETTS		MINING . CONSTR .		0.0						0.0	0.0	0.0	YEAR TO	100 ENDI
03/31/82 DUSTRIAL DIV		∞ _	۰.	50.0	0.0	0.0	0.0	0.0		0.0	100.0	0.0	MONTHLY	FOR PER
03/3 Y INDUST		TOTAL . FOR	ن	71.4	50.0	2.99	92.9	82.6		54.5	6.99	81.8		
- ALL JOB OPENINGS 03/31/82 MASSACHUSETTS SMSA 6320 RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY	SCCUPATIONAL	Š		FARM F & F	PROCESSING	MACHINE TRADES	BENCH WORK	STRUCTURAL	MOTOR FRGT,	TRANSP	PKG MTRL HNDL	OTHER		
- AL OPENINGS RECEI			<	10190 4	D		10205 7		16-0		10220 92	10225 93-97	SMSA 6320	

I TEM	, OCCUPATIONAL CODE	TOTAL			1	ACTIVE FILE			-	-	NON-AGRICUL TURAL		OPENINGS	
Ö Z		TERED APPES ACTIVE ANYTIME.	TOTAL .F	FEMALE	VETERAN	AGE C UNDER	ا ا	Δον. Στινου Στινο Σ Στινο Στινο Σ Σ Σ Στινο Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ	ECONOM- TOTAL I CALLY RE- DI SAD- CEIVEI VANT-	_	GPENING REC'D FEDERAL CON- TRACTOR JOB	GOPENING	GPENING OPENING, UNFILLED OPENING CONTINUED OPENING CONTINUED CONT	D DAYS
4 96	TOTAL	34561	D .	10553	F 2657	2575	3212	5056	J	K 5217	1338	M 2659	N 1547	1108
Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф Ф	0-1 000-169 180-199 200-249 200-249 300-309 310-319 320-389 400-429 400-429 400-429 400-929 900-919 900-919 920-929 930-979 X-ENTRY TOTAL. 0-1 7 8	2001-72-72-72-72-72-72-72-72-72-72-72-72-72-	2129 2129 3673 3673 3673 3673 3849 6811 1233 34429 34429 34429 3443 1728 1728 1728 130 130 130 130 130 130 130 130 130 130	1030 3111 2851 3974 2974 9564 977 101 101 101 978 115 115 115 115 115 115 115 115 115 11	2129 1030 411 1367 719 243 762 311 168 3673 2851 365 2957 2454 268 716 3977 117 3649 2970 236 661 0 0 1273 930 97 1695 1376 139 34 4 4 4 4 4 4 4 4 4 6 1726 464 390 1726 464 390 1726 687 221 162 889 183 162 889 31 130 115 1 130 115 1 130 3 3 23 22 0 2485 850 461 515 99 242 516 897 221 130 115 1 130 115 1 130 3 3 162 99 3 183 0 23 22 0 0 0 0 0 93 82 0 0 0 93 82 0 0 0 93 82 0 0 0 93 82 0 0 0 0 0 93 82 0 0 0 0 0 93 82 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	65 27 27 29 29 394 394 394 20 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 20 10 20 10 20 10 20 20 20 20 20 20 20 20 20 20 20 20 20	373 6624 1148 1286 1386 1386 1386 1386 149 149 149 1688 1688 1688 1688 1688 1688 1688 168	8 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	4 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	602 1251 1397 1397 1397 1397 1397 101 102 103 103 103 103 103 103 103 103 103 103	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9 4 4 9 9 8 6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	200 200 300 300 400 200 200 200 200 200 200 200 200 2
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APPLIC TTEM	APPLICANTS AND NGNAGRICULTURAL	ULTURA GDE	JOB	OPENINGS BY	1 1		ACTIVE FILE				NONAGRIC	NONAGRICULTURAL OPENINGS	DPENINGS	
2			TERED APPS ACTIVE ANYTIME. THIS FY.	rotal . F	EMALE	TERAL	AGE GRÖUPS UNDER .45 AND 22 .0LDER	S MINOR	R ECONOM . ICALLY . DISAD VANT AGED	- TOTAL .RE- .CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	FILLED	OPENING. OPENING. UNFILLED OPEN REC'D FILLED TOTAL 30 DAY CON-TRACTOR. OR MOI JOB LISTING.	30 DAY
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MONTHLY YEAR TO DATE FOR PERIOD ENDING 03/31/82

03/31/82 MASSACHUSETTS
APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

SMSA 8000

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03/31/82 MASSACHUSETTS
APPLICANTS AND NONAGRICULTURAL JOB OFENINGS BY OCCUPATION

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MASSACHUSETTS

03/31/82

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

. TOTAL

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PAGE 006

FOR PERIOD ENDING 03/31/82

MONTHLY YEAR TO DATE

Table 61

PPLICANTS AND NONAGRICULTURAL JOB OFFNINGS BY OCCUPATION

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FOR PERIOD ENDING 03/31/82

MONTHLY YEAR TO DATE

8000

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Table 61	SMSA
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MASSACHUSETTS

03/31/82

GCCUPATION

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY

OCCUPATIONAL CODE

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OPENING OPENING UNFILLED OPEN MONAGRICULTURAL OPENINGS

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. VETERAN.

FEMALE

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> 780381-018 80682-018 82684-042 784682-014 85261-010 85361-010 98687-030 990-789687

780681-010 781687-010 782684-058 783682-014

APPS

REC D CON-JOB

- MI NOR-SMSA 8000 .45 AND AGE GROUPS OLDER ACTIVE FILE JNDER

> 804281-010 805261-014 806281-022 806381-026 806684-010 807381-010

87682-046 88684-054 89687-070 94687-050 795687-014 010

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FOR PERIOD ENDING 03/31/82

MONTHLY YEAR TO DATE

824261-010

823261-018 826361-010 828281-010 828381-014 829281-014

840381-010 844364-010

8000

813684-022 819686-010 821361-026 822281-018 825281-018

809281-010 809684-010 811684-014 819384-010 819684-010

Table 61
MASSACHUSETTS SMSA 8000

					Table 61				
TABLE APPLICANTS AND NONAGRICULTUI	URAL JOB OF	03/31/82 OPENINGS BY	03/31/82 MASSACHUSETTS RAL JOB OPENINGS BY OCCUPATION	STTS	SMSA 8000	0			TABLE
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Table 62

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FOR PERIOD ENDING 03/31/82

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	URAL JOB	TOTAL	TERED	. APPS	. ACTIVE	. ANYTIME.	. THIS FY.	
	03/31/82 MASSACHUSET APPLICANTS AND NGNAGRICULTURAL JOB OPENINGS BY GCCUPATION	TEM OCCUPATIONAL CODE TOTAL .						
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FOR PERIOD ENDING 03/31/82

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Table 62

. 30 DAYS OPENING, OPENING, UNFILLED OPEN NONAGRICULTURAL OPENINGS TOTAL z .REC.D .FILLED TRACTOR LISTING FEDERAL CEIVED. ECONOM - . TOTAL 8 ICALLY DISAD-VANT-AGED MINOR. All 8 ----- 1 1 1 1 1 1 1 SMSA 6320 45 AND AGE GROUPS OLDER. I ACTIVE FILE UNDER O FEMALE VETERAN. MASSACHUSETTS **OCCUPATION** APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY TOTAL 03/31/82 a ACTIVE . REGIS-TERED APPS. OCCUPATIONAL CODE 710281-026 721684-022 26261-010 29687-010 41684-026 712381-018 712664-010 24684-026 25384-010 26130-010 26384-010 26684-018 29384-010 39687-030 741687-018 54684-030 59584-010 85261-010 85361-010 87682-046 710681-010 720281-018 26684-010 26684-022 753687-026 82684-058 88684-054 95687-014 804281-010 ITEM

MONTHLY YEAR TO DATE FOR PERIOD ENDING 03/31/92 TO DATE 822281-018

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607381-010 811684-014 813684-022

809684-010 819384-010

699381-010 903683-018 906683-022

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899684-022 905663-014

904383-010 913463-010 915467-010 915473-010

913463-018 919683-014 919687-014 920587-018 920687-014 929687-022 950382-026 952382-018

OCCUPATIONAL CODE

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826361-010 828281-010 840381-010

824261-010 829281-014 842664-010 844364-010 845381-014 850683-010

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MONTHLY YEAR TO DATE

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TOTAL . FEMALE . VETERAN. AGE GROUPS	ACTIVE FILE			. NONAGRICULTURAL OPENINGS	NGNAGR	NONAGRICULTURAL OPENINGS	OPENINGS	
	TOTAL FEMALE VETERAN, AGE GROUPS MINGR- ECCHOM- TOTAL CALLY RE- UNDER 45 AND DISAB- CEIVER 22 OLDER AGED	ROUPS MI		ECONOM TOTAL LCALLY . RE- DISAD CEIVE VANT		NG. OPENING FILLED AL. OR.	OPENING OPENING UNFILLED OPENING FECTOR FECTOR TOTAL 30 DAYS CON- TRACTOR OF MORE JOB HOLD OF MORE TRACTOR FECTOR	D D A Y S M M O R E
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Table 63 Pittsfield LMA Population 1970 and 1980 Cities and Towns

Municipality	Popul 1980	ation 1970	1970 Number	anges to 1980 Percent
Potals	130466	135821	5355	- 4.1
Adams	10381	11772	-1391	- 2.9
Becket	1339	929	410	44.1
heshire	3124	3006	118	3.9
Clarksburg	1871	1987	- 116	- 5.8
Dalton	6797	7505	- 708	- 9.4
Florida	730	672	58	8.6
Hancock	643	675	- 32	- 4.7
Hinsdale	1707	1588	119	7.5
Lanesborough	3131	2972	159	5.3
Lee	6247	6426	- 179	- 2.8
Lenox	6523	5804	719	12.4
New Ashford	159	183	- 24	-13.1
North Adams	18063	19195	-1132	- 5.9
Otis	963	820	143	17.4
Peru .	- 633	256	377	147.3
Pittsfield	51974	57020	- 5046	- 8.8
Richmond	1659	1461	198	13.6
Savoy	644	322	322	100.0
Stockbridge	2328	2312	16	0.7
Tyringham	344	234	110	47.0
Washington	587	406	181	44.6
West Stockbridge	1280	1354	- 74	- 5.5
Williamstown	8741	8454	287	3.4
Windsor	598	468	130	27.8

Source: PHC-80-Ve23 1980 Census of Population and Housing

Table 64
Springfield-Chicopee-Holyoke LMA Population
1970 and 1980
Cities and Towns

				anges
		lation	1970 to	
Municipality	1980	1970	Number	Percent
TOTALS	567816	571561	-3745	- 0.7
Agawam	26271	21717	4554	21.0
Amherst	33229	26331	6898	26.2
Belchertown	8339	5936	2403	40.5
Brimfield	2318	1907	411	21.6
Chesterfield	1000	704	296	-42.0
Chicopee	55112	66676	-11564	-17.3
Easthampton	15580	13012	2568	19.7
East Longmeadow	12905	13029	- 124	- 1.0
Granby	5380	5473	- 93	- 1.7
Granville ·	1204	1008	196	19.4
Hadley	4125	3750	375	10.0
Hampden	4745	4572	173	3.8
Hatfield	3045	2825	220	7.8
Holyoke	44678	50112	- 5434	-10.8
Longmeadow	16301	15630	671	4.3
Indlow	18150	17580	570	3.2
Monson	7315	7355	- 40	- 0.5
Montgomery	637	1446	191	42.8
Northampton	29286	29664	- 378	- 1.3
Palmer	11389	11680	- 291	- 2.5
Pelham	1112	937	175	18.7
Russell	1570	1382	185	13.6
South Hadley	1639 9	17033	- 634	- 3.7
Southampton	4137	3069	1068	34.8
Southwick	7382	6330	1052	16.6
Springfield	152319	163905	-11586	- 7.1
Wales	1177	852	325	38.1
Warren	3777	3633	144	4.0
Westfield	36465	31433	5032	16.0
Westhampton	1137	793	344	43.4
West Springfield	27042	28461	- 1419	- 5.0
Wilbraham	12053	11984	69	0.6
Williamsburg	2237	2342	- 105	- 4.5

Source: PH C80-V-23 1980 Census of Population and Housing





RETURN IN FIVE DAYS TO:

MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

CHARLES F. HURLEY BUILDING GOVERNMENT CENTER, BOSTON, MA. 02114

OFFICIAL BUSINESS

POSTAGE AND FEES PAID EMPLOYMENT SECURITY MAIL LAB 449



